

20000202.qrp v01_n719.qrl.20000202

Date: Wed, 2 Feb 2000 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1719

QRP-L Digest 1719

Topics covered in this issue include:

- 1) [61857] Re: Responses to my 4BTV & vertical antenna queskins
by "George T. Baker" <w5yr@att.net>
- 2) [61858] Re: %20Distorted%20CW%20from%20bugs
by Joe Reed <joe@n9jr.dyndns.org>
- 3) [61859] xtal bandpass filters: Emtech NW8020
by "Mike Mullins" <mmullins@mastnet.net>
- 4) [61860] Re: Converse while Sending/Receiving CW
by George F Franklin <w0av@juno.com>
- 5) [61861] Re: %20Distorted%20CW%20from%20bugs
by Wb8siw@aol.com
- 6) [61862] Fox MEAT!!!
by Brian <brian@iquest.net>
- 7) [61863] Re: Good CW/Bad CW
by Jim Durkin <jimdurkin@yahoo.com>
- 8) [61864] TEST, JUST DELETE HAVING E-MAIL PROBLEMS
by "John R. Klim II" <n3khk@arrl.net>
- 9) [61865] Re: GAP Eagle vs R7000 vs Butternut Vertical
by KB0R@aol.com
- 10) [61866] FYBO
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
- 11) [61867] FOX Tuesday
by Bob Hightower <ki7mn@extremezone.com>
- 12) [61868] Re: %20Distorted%20CW%20from%20bugs
by "George T. Baker" <w5yr@att.net>
- 13) [61869] Re: %20Distorted%20CW%20from%20bugs
by "George T. Baker" <w5yr@att.net>
- 14) [61870] RE: FOX Tuesday
by "NA6E" <na6e@qsl.net>
- 15) [61871] Re: FOX Tuesday
by tom palmer <n1tp@worldnet.att.net>
- 16) [61872] Fluke fuses
by The Boices <kw1nd@arrl.net>
- 17) [61873] HB: Kit - TenTec 1340 on the test bench
by n5ib@juno.com
- 18) [61874] Re: %20Distorted%20CW%20from%20bugs
by Wb8siw@aol.com
- 19) [61875] Re: FOX Tuesday

- by Monte Stark <ku7y@dri.edu>
- 20) [61876] Re:] Re: Distorted CW from bugs
by Dick Carroll <dixie@townsqsr.com>
- 21) [61877] OT: Radio Shack 10M
by GE1am30092@aol.com
- 22) [61878] EEEEEHAAAAAA!
by jbhenson@zebra.net (James Bartley Henson III)
- 23) [61879] RE: Responses to my 4BTV & vertical antenna queskins
by Monte Stark <ku7y@dri.edu>
- 24) [61880] FYBO - who's gonna operate ?
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 25) [61881] Re: Converse while Sending/Receiving CW
by Monte Stark <ku7y@dri.edu>
- 26) [61882] QRP Forum at Jackson Ms Fest
by "Mike Duke" <k5xu@concentric.net>
- 27) [61883] Re: FYBO - who's gonna operate ?
by "K7FD-N7SG" <cqdx@teleport.com>
- 28) [61884] RE: 160 M Record - Long
by "Jerry Bartachek" <Jerry.Bartachek@dnr.state.ia.us>
- 29) [61885] RE Helping an old Elmer Return to the Air
by "Mike Duke" <k5xu@concentric.net>
- 30) [61886] Fw: Re: 2N2/ 40
by Robert P Engelman <rengelwb8uoj@juno.com>
- 31) [61887] Re: FOX Tuesday
by tom palmer <n1tp@worldnet.att.net>
- 32) [61888] QRP WAS Hunters -- VT, NH, ME, DE QSO Parties
by aweiss@usd.edu (Ade Weiss W0RSP)
- 33) [61889] 160m Contest Results
by aweiss@usd.edu (Ade Weiss W0RSP)
- 34) [61890] 160 Test Addendum -- computer logging
by aweiss@usd.edu (Ade Weiss W0RSP)
- 35) [61891] Fox: Wv3j preliminary foxlog 02-02-00
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 36) [61892] Ontario QSO Party
by Fred Lesnick <flesnick@tbaytel.net>
- 37) [61893] Re: QRP WAS Hunters -- VT, NH, ME, DE QSO Parties
by Wa3ptg@aol.com
- 38) [61894] 160M Contest
by "Dan Wolfe" <n4roa@mounet.com>
- 39) [61895] Re: 4BTV & vertical antenna queskins
by Bruce Grubbs N7CEE <n7cee@arrl.net>
- 40) [61896] 160m beacon?
by "Steve/n0tu" <n0tu@webaccess.net>
- 41) [61897] Free Extra Class License Manual ...GONE
by GUARDM@aol.com
- 42) [61898] Re: Good 10-meter Antenna for Portable QRP Use???
- by "Pete (N9SSA)" <n9ssa@arrl.net>
- 43) [61899] Fox: Wv3j preliminary foxlog 02-02-00

by "Wilford D. Lindsey" <70511.3041@compuserve.com>
44) [61900] WV3J Preliminary LOG
by tom palmer <n1tp@worldnet.att.net>
45) [61901] [00PS]Fox: Wv3j preliminary foxlog 02-02-00
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
46) [61902] Fox: correct URL http://home.rica.net/phelbert/wv3j_foxlog.htm
by "Paul Helbert, Wv3j" <phelbert@rica.net>
47) [61903] Re: 10 meter QRP antenna
by Curt Milton <wb8yyy@yahoo.com>
48) [61904] WAS and my TT2
by "Thom Durfee" <wi8w@arrl.net>
49) [61905] good cw/bad cw
by "Peter Pavlovich" <radioroom@hotmail.com>
50) [61906] OT: Practice Exams
by "Dan W. Dooley" <dandooley@pipeline.com>
51) [61907] RE: Responses to my 4BTv & vertical antenna queskins
by "AI2Q Alex" <ai2q@ispchannel.com>
52) [61908] Re: Kit - TenTec 1340 on the test bench
by "Frank Krozel" <frank@electronicinstrument.com>
53) [61909] Dog days of yore. PSK-31
by Ed Loranger <we6w@netzero.net>
54) [61910] Re: FYBO - who's gonna operate ?
by Clifton W Sikes <ab5uacw@juno.com>
55) [61911] Re: WAS and my TT2
by Bruce Muscolino <w6toy@erols.com>
56) [61912] Wainwright solder mounts
by David Shalita <af389@lafn.org>
57) [61913] FYBO
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
58) [61914] Re: 160m beacon?
by Dean W Manley <kh6b@juno.com>
59) [61915] Re: 160m beacon?
by Joe Reed <joe@n9jr.dyndns.org>
60) [61916] RE: Practice Exams
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
61) [61917] Logging and Email
by Monte Stark <ku7y@dri.edu>
62) [61918] Re: Dog days of yore. PSK-31
by Allan G Taylor <agtaylor@llnl.gov>
63) [61919] FYBO operation Question
by Jeff Grudin <grudin@vdb.com>
64) [61920] Too Many Radio's. For Sale
by RON TODD <k4wz@bellsouth.net>
65) [61921] Re: FYBO operation Question
by Roger Hightower <n7kt@earthlink.net>
66) [61922] FORSALE
by RON TODD <k4wz@bellsouth.net>
67) [61923] Re: FYBO - who's gonna operate ?

by "Bob Tellefsen" <n6wg@earthlink.net>
68) [61924] Re: 160m beacon?
by "Bob Tellefsen" <n6wg@earthlink.net>
69) [61925] Re: FYBO - who's gonna operate ?
by DONALD I ROHER <donroher@juno.com>
70) [61926] sold
by RON TODD <k4wz@bellsouth.net>
71) [61927] SOLD
by RON TODD <k4wz@bellsouth.net>
72) [61928] FYBO
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
73) [61929] Re: FYBO
by Roger Hightower <n7kt@earthlink.net>
74) [61930] Atlanta Repeaters
by Chris Cole <CJCole@serialslibrarian.com>
75) [61931] Re:%20Distorted%20CW%20from%20bugs
by "Michael Young" <mikey@mcs.com>
76) [61932] RE: Responses to my 4BTV
by Ray Colbert <af852@rgfn.epcc.edu>
77) [61933] Good cw/Bad cw
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
78) [61934] tools
by Jimbob <kw3u@warwick.net>
79) [61935] Re: Dog days of yore. PSK-31
by Charles R Greene <cgreene7@juno.com>
80) [61936] FYBO 2k
by jaywa5whn@juno.com
81) [61937] Phased Vertical Array's
by Monte Stark <ku7y@dri.edu>
82) [61938] Re: OT: Practice Exams
by "Harsha K" <bravado@angelfire.com>
83) [61939] Re: Good cw/Bad cw
by Monte Stark <ku7y@dri.edu>
84) [61940] Re: FYBO 2k
by Bruce Toback <btoback@optc.com>
85) [61941] Re: Dog days of yore. PSK-31
by Allan G Taylor <agtaylor@llnl.gov>
86) [61942] Vertical vs Yagi
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
87) [61943] Morse history URLs for <http://cw.hfradio.org>
by "Ron McConnell" <rcmcc@lucent.com>
88) [61944] Good CW/Bad CW
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
89) [61945] Re:%20Distorted%20CW%20from%20bugs
by Joe Reed <joe@n9jr.dyndns.org>
90) [61946] OT - First Contact on Ten-Tec 1320
by "Rich Clemens" <clemens@wvwc.edu>
91) [61947] OP: good/bad CW

by Richard Matthews <prm@hiwaay.net>
92) [61948] Stand alone PSK-31
by "Steven Weber" <kd1jv@moose.ncia.net>
93) [61949] Re: FYBO 2k
by jaywa5whn@juno.com
94) [61950] Re: Dog days of yore. PSK-31
by "Michael Young" <mikey@mcs.com>
95) [61951] Re: Another NorCal 20 lives!
by Pete Burbank <plburbank@kih.net>
96) [61952] Re: Dog days of yore. PSK-31
by "Michael Young" <mikey@mcs.com>
97) [61953] WTB:Bird Wattmeter Elements
by Ed Kessler <edkess@epix.net>
98) [61954] Fore Sale, what's left
by RON TODD <k4wz@bellsouth.net>
99) [61955] WalMart goes QRO
by KD1YV <kd1yv@mindspring.com>
100) [61956] RE: WalMart goes QRO
by "Kory Hamzeh" <kory@avatar.com>

Date: Tue, 01 Feb 2000 18:11:53 -0600
From: "George T. Baker" <w5yr@att.net>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61857] Re: Responses to my 4BTW & vertical antenna queskins
Message-ID: <38977649.943BEABB@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I also read the suggestion about the LDG tuner and the 22 ft mast, but I have been unable to find any LDG tuners that would be suitable for external mounting. I wonder if the fellow meant SGC instead of LDG? SGC does make a remote automatic tuner that could be mounted at the base of the mast in the weather. I do not have any model number or price info.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972

Nils R Young wrote:

> -- A vertical antenna is cool, but if you're gonna spend the money, take
> that converted CB vertical base mounted doodad & put an LDG tuner at the

> bottom of it. Then you'll have an antenna that covers everything with
> wide bandwidth.

Date: Tue, 1 Feb 2000 18:28:35 -0600 (CST)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Wb8siw@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61858] Re:%20Distorted%20CW%20from%20bugs
Message-ID: <Pine.LNX.4.05.10002011823210.18353-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Feb 2000 Wb8siw@aol.com wrote:

> Gary Phillips asked about the origin of the "switch" on the side of a
> straight key,
> so I thought I'd offer an accurate explanation.

Thanks for the info! I never knew the original reason for the shorting switch before. But I wonder, why does my J-38 have it then? Long after the age of LL telegraphy to be sure. Also my McElroy has one as well.

My Nye-Viking doesn't have one, but it has the Navy knob. This is a '70s vintage key not used to keying large voltage and current. And anyway, I used to think you could tell the "spark" keys by the large contacts necessary to handle the power of the transmitter.

Joe N9JR

Date: Mon, 31 Jan 2000 20:31:28 -0600
From: "Mike Mullins" <mmullins@mastnet.net>
To: "QRP-L post message" <qrp-l@lehigh.edu>
Subject: [61859] xtal bandpass filters: Emtech NW8020
Message-ID: <000201bf6d14\$dde7e940\$5ad542ce@downstairs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've got two NW8020's which quite I'm happy with. (One of these is an

original Emtech kit, and the other is from Dan's small parts.) However, on both of these rigs the signal image rejection (right words?) could be better. When I tune through a signal, I hear the signal on both sides of the zero beat, even for fairly weak signals. I recently switched one of them from 20 to 30 meters, and made an effort to improve the 4-pole xtal bandpass filter. I purchased a matched set of 12 MHz xtals (6) from Dan's small parts. I checked them with an oscillator made from a CMOS gate, and I picked 4 which were within 50 Hz of each other. I used the other two for the BFO and the TX oscillator. To my disappointment, the image rejection problem was not improved. I tried to adjust the BFO frequency further away from the bandpass frequency, but this had surprising little effect on the image strength. So, I've got some questions for the gurus and anyone else with advice.

1. Do all NW8020's have this problem, or have I messed up somewhere? It is possible to set BFO on the 'wrong' side of the bandpass frequency. I've got it set as the manual recommends so that the signals increase in frequency as the BFO frequency increases.
2. Is there a problem with impedance matching at the input and/or output of the filter (or, how do you measure these impedances?)
3. Is 50 Hz close enough for an adequate filter? I vaguely recall some discussions on this list about sources of xtals with high Q-values, but couldn't find the thread.
4. Finally, any suggestions?

Thanks in advance. 73 de Mike KD5CMN in STX

Date: Tue, 1 Feb 2000 19:02:35 -0600
From: George F Franklin <w0av@juno.com>
To: rsealey@InfoAve.Net
Cc: qrp-1@Lehigh.EDU
Subject: [61860] Re: Converse while Sending/Receiving CW
Message-ID: <20000201.190414.-105181.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello Gang,

If you haven't heard it before, the definition of a "real CW Operator" is a guy with a terrific hangover who can still copy 35WPM in old english script with a four inch paintbrush, left handed.

72 de George/W0AV

Date: Tue, 1 Feb 2000 20:25:44 EST
From: Wb8siw@aol.com
To: joe@n9jr.dyndns.org, qrp-1@lehigh.edu
Subject: [61861] Re: %20Distorted%20CW%20from%20bugs
Message-ID: <25.15d7138.25c8e198@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In response to Joe, N9JR, a couple points about Landline Telegraphy. The use of the J-38 was not limited to radio circuits. Landline Morse was used by the Railroad Operating Battalions during World War Two as well as on some Signal Corp circuits. As a matter of fact, one occasionally comes across Telegraph Sounders that were sold surplus after WW2 and Korea. You may have noticed that the J-38 bases are labeled "line" with a "short" across two terminals at the back of the bakelite base. These markings were intended to clarify installation in a series Morse Circuit.

On the era of Landline Telegraphy. Morse Circuits were still used on some Railroads well into the 1970s. As a matter of fact, the last Railroad Morse Circuit was shut down in the 1980s! While it's true that many of the Class One Railroads began phasing out Morse in the 1950s and 1960s, the "era" of Landline Morse lived on until fairly recently. It took such technologies as the computer revolution and satellite communications (combined with earlier CTC technology) to fully displace Morse.

The Navy knob....well, I suspect it was developed during the era of Spark. However, it's continued manufacturer is simply a matter of preference on the part of operators. Of course, Spark transmitters have not been used in Amateur Radio since the '20s and were phased out of Maritime service in the '30s.

73, Jim Wades, WB8SIW

Date: Tue, 01 Feb 2000 20:33:48 -0500
From: Brian <brian@iquest.net>
To: Roy AB7CE <marion@montana.com>, Dan N4ROA <n4roa@mounet.com>, Ron KI0II <ki0ii@arrl.net>, QRP-L <qrp-1@lehigh.edu>
Subject: [61862] Fox MEAT!!!
Message-ID: <3897897C.1ECF494E@iquest.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh man oh man oh man....first fox flesh I've had in weeks. Man oh man
oh man...do I feel better now.

Paul was a solid 599 plus in central Indiana tonight, the band was
with me as I fired off my fox blasting 5 watts from my attic
dipole...and he heard me.....HE HEARD ME!!!

The hound herd was LOUD and dense, I can't believe he pulled the ole
KB9BVN out of the mix for the second contact of the night.

I am thrilled, and now my team mates can rest assured that I'm back on
the trail.

72 ya'll

Paul did a super fantastic job as the fox tonight!

--

=====

KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24

=====

Date: Tue, 1 Feb 2000 17:52:35 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: QSLQ@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61863] Re: Good CW/Bad CW
Message-ID: <20000202015235.27411.qmail@web307.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Dave,
Welcome. Rarely has anyone said so many right things
in one note<G>.
73
Jim kt4a

--- QSLQ@aol.com wrote:

> Hello group,
>
> As an introduction:
>
> I've been lurking on the list a couple of weeks. I
> was lost at first, now I
> only floundering. I'm studying for the novice (or
> whatever they'll call it
> now) and teaching myself code. Yes, I WANT to learn
> code! My handheld VHF
> buddies think I'm nuts! Yes, and I even miss the old
> TTY machines.
>
> I'm learning alot just listening. Now I know what a
> K2 is and I finally
> figured out who the heck ELMER is!
>
> I've been taping myself sending code. I guess its
> like hearing your voice on
> tape, you just don't realize how bad you sound. IT
> HAS BEEN A GREAT HELP!
>
> Dave
>

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Mon, 31 Jan 2000 21:10:33 -0500
From: "John R. Klim II" <n3khk@arrl.net>
To: QRP-L@lehigh.edu, (10-10 International Discussion List) tenten-1@lehigh.edu,
cqdx@eGroups.com, cw_awards@eGroups.com, dx-list@eGroups.com,
fistlist@eGroups.com, hamop@eGroups.com, hamradio@eGroups.com,
paperchaser@eGroups.com, skeds@eGroups.com, slochat@eGroups.com, 10m@qth.net,
Subject: [61864] TEST, JUST DELETE HAVING E-MAIL PROBLEMS
Message-ID: <E12FpBw-0005GR-00@smtp03.mrf.mail.rcn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

TEST, JUST DELETE HAVING E-MAIL PROBLEMS

Date: Tue, 1 Feb 2000 21:29:15 EST
From: KB0R@aol.com

To: wb8yyy@yahoo.com, qrp-1@lehigh.edu
Subject: [61865] Re: GAP Eagle vs R7000 vs Butternut Vertical
Message-ID: <45.b71dc2.25c8f07b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I like my R7 and have been able to mount is by myself. Doesn't need guying.
But I also am glad I put up a 10,12,15m quad. The quad opens the band often
when the vertical doesn't.

Date: Tue, 1 Feb 2000 21:33:20 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Cc: <fpqrp@egroups.com>
Subject: [61866] FYBO
Message-ID: <001301bf6d25\$d7554350\$0102050a@4002>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Howdy Folks,

The 'Flying Pigs QRP Club, International' will be represented this Saturday
at Ault Park in Cincinnati, Ohio. Primary bands will be 40 and 10 meters.
Last I heard was 29 for the low and 45 for the high; not too bad :-)

We'll have a K2 for the low bands and the "world famous miniPIG-10" on 10
meters.

Ready for the fun.....

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Tue, 01 Feb 2000 19:32:42 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [61867] FOX Tuesday
Message-ID: <200002020229.TAA03961@enterprise.extremezone.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wierd FOX hunt tonight.....the exchange is different (RST, name, state, number), and the FOX returns the call that he copied, then waits for the hunter to send his exchange, before sending his own. This makes the hunters that can't hear the FOX think that they can send their call, covering up the hunter. What a mess. Condx not too good anyway, and this only complicates it.

Bob Hightower KI7MN
Chandler, AZ

<http://www.extremezone.com/~ki7mn>

Date: Tue, 01 Feb 2000 20:49:23 -0600
From: "George T. Baker" <w5yr@att.net>
To: Wb8siw@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61868] Re: %20Distorted%20CW%20from%20bugs
Message-ID: <38979B33.CDC72628@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I heartily agree about bug sending, Jim. I ran one for many years before I foolishly traded it and got into the keyer world (homebuilt and designed at that!) nearly 30 years ago.

There is one aspect of bug sending that I have never seen mentioned, but which I feel is of major importance if bug sending is to be as smooth and readable as it should be.

That aspect is the manual transition from dits to dahs - with the fingers and/or hand. An electronic keyer accomplishes the transition from a series of dits to one or more dahs through electronic timing circuits and code element memories, etc. The bug operator, however, must learn how to transition from operating the dot paddle with his thumb (for most folks) to operating the dash paddle with his fingers (again for most people).

This seems like a trivial thing, and perhaps it is, but if this transition cannot be made smoothly and transparently, then there is a timing distortion in the changeover that can be detected. I don't claim that it hopelessly mars otherwise good readable code, but it is an additional skill that must be achieved for truly smooth, effortless bug sending.

My Elmer, who started ham radio in 1914 and is still operating at age 100, has never owned a microphone, but he has been running a bug since well before almost all of us were born - and I am 70! He had this little knack of rolling his hand on the heel of his palm when going from dits to dashes that made the transition completely transparent and resulted in tape machine calibre code.

This aspect of bug operation is one of the reasons that bug adjustment is so very important. If the adjustments are set up such that there is too large a "lag" in the dot/dash (or vice versa) transition, then the timing is put off.

The numerals are among the most sensitive tests of both operator ability and bug adjustment.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

Wb8siw@aol.com wrote:

> If a radio amateur wishes to use a bug properly, he must first set it up
> correctly, then he must practice for quite a period of time in order to "get
> it right."

Date: Tue, 01 Feb 2000 20:52:30 -0600

From: "George T. Baker" <w5yr@att.net>

To: Wb8siw@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61869] Re: %20Distorted%20CW%20from%20bugs

Message-ID: <38979BEE.E5EDD378@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I am sure that Neal, K5RW, knows the "real" story about Navy knobs, but I recall reading somewhere that even after spark was no longer used, the Navy operators continued to prefer Navy knob keys because they were not only more comfortable to use but afforded a better grip in the face of rough seas and an operating table that was rocking about.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 R/Ving since 1972

Wb8siw@aol.com wrote:

> The Navy knob....well, I suspect it was developed during the era of Spark.
> However, it's continued manufacturer is simply a matter of preference on the
> part of operators. Of course, Spark transmitters have not been used in
> Amateur Radio since the '20s and were phased out of Maritime service in the
> '30s.

Date: Tue, 1 Feb 2000 18:53:13 -0800
From: "NA6E" <na6e@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61870] RE: FOX Tuesday
Message-ID: <LPBBKMHGKJHAFCHLDJBAKEEJCAAA.na6e@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have to agree with Bob abt the condx and to set the record straight my
call WAS NOT sent out in the pack tonight. I had a great qso (despite arm)
with KU7Y tho :)

73
Mary, NA6E
Sacramento, CA
QRP-C #7 QRP-ARCI #9923 WHINER'S #2

Date: Tue, 01 Feb 2000 22:06:38 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: na6e@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61871] Re: FOX Tuesday
Message-ID: <38979F3E.271C43A7@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't know about band conditions generally,
but KU7Y was never stronger in Florida then tonite.

The Pesky Texans were pounding into Florida also.

Heard W5HNS with big signal here, but I do not believe he got his pelt.
That's a shame because he was putting out a FB signal.

Cheers,

Tom, N1TP
Naples.

NA6E wrote:

> I have to agree with Bob abt the condx and to set the record straight my
> call WAS NOT sent out in the pack tonight. I had a great qso (despite arm)
> with KU7Y tho :)
>
> ***73***
> Mary, NA6E
> Sacramento, CA
> QRP-C #7 QRP-ARCI #9923 WHINER'S #2

Date: Tue, 01 Feb 2000 22:06:18 -0500
From: The Boices <kw1nd@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [61872] Fluke fuses
Message-ID: <4.3.0.33.0.20000201220344.00a601f0@pop.megalink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone have a good source for Fluke 87 (1000V series) DMM fuses,
besides radioshack.com? I asked Mouser, but they have to special order
them, have a minimum quantity on each, and are about double what RS is
asking. I didn't check Digi-Key because they have a \$25 minimum order.

72,

Mike Boice, KW1ND
New Gloucester, Maine FN43uw

Date: Tue, 01 Feb 2000 22:45:21 EST
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [61873] HB: Kit - TenTec 1340 on the test bench
Message-ID: <20000201.213930.4671.0.N5IB@juno.com>

A newly licensed ham was referred to me for assistance with his TenTec 1340. It's partially completed (through section 5, I believe he said - I haven't seen the manual yet) and he's coming over tomorrow night for some help in the preliminary checkout. He's unsure whether everything so far is working or not.

This is just a request for tidbits of info about this rig and its checkout and alignment that some of you may be able to share with the two of us. I've never seen one of the TenTec kits before. So if you have any advice that might save us some time and trouble pass it along...

Thanks & 73,
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 1 Feb 2000 22:52:36 EST
From: Wb8siw@aol.com
To: w5yr@att.net
Cc: qrp-1@lehigh.edu
Subject: [61874] Re: %20Distorted%20CW%20from%20bugs
Message-ID: <3f.6d2bbf.25c90404@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

You're absolutely right George. One of the reasons many operators seem to have trouble learning to use a bug is the fact that they've learned to send with an electronic keyer first. The electronic devices can be manipulated primarily with "finger movement," whereas the bug must be manipulated by rolling the wrist. The later permits the operator to "time" the transition.

You're also right about the spacing which governs the transition between dots and dashes. I tell new bug users that the spacing between the lever and the left trunion screw should never exceed .015 inch. The same, of course, applies to the "dash" contact. The other big mistake is too much tension in

the "Dash Tension" and "Dit Retractive Springs." This should be set near the minimum.

A properly manipulated bug should sit in one place on the table without wandering all over (exception perhaps being a real smooth, heavily waxed surface). If one needs to glue it down, they're probably doing something wrong! hi.

You really hit the nail on the head about transmitting numbers! If one really wants to use a bug properly, they should pull out the phone directory, open it to a page other than "Jones" or "Smith," and practice sending names, addresses, and phone numbers for a while.....they'll be sounding great in no time.

72/73

Jim WB8SIW

Date: Tue, 1 Feb 2000 19:58:11 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: tom palmer <n1tp@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61875] Re: FOX Tuesday
Message-ID: <Pine.GS0.4.10.10002011950520.12048-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Feb 2000, tom palmer wrote:

> Don't know about band conditions generally,
> but KU7Y was never stronger in Florida then tonite.

I must apoligize to the whole Fox/Hound bunch tonight....

I took a break from the hunt and moved up the band for a very nice chat with Mary.

In the confusion of swapping VFO's, I wound up calling Mary on the Fox freq instead of 7051 where I was listing.

Then she called me. I returned her call but she didn't hear me.....(remember, I was TXing about 10 kHz down!) So I just cranked up the power to 100w and tried it again!

It was about that time that I say my error!

No wonder I was loud!

Color my face red!

Just goes to show that no matter how long you have been at this game, you can still manage to be a big lid! :-)

But I was back down to 950 mW when I got the fox!

>

> NA6E wrote:

>

> > I have to agree with Bob abt the condx and to set the record straight my
> > call WAS NOT sent out in the pack tonight. I had a great qso (despite arm)
> > with KU7Y tho :)

Hard copy here but still a great QSO.

Now to get some things done around here.....like setting that trap for the skunk again....he's still trying to dig up my buildings.

He has found a way into the garage and under the shack. PHEW!

If this Have-A-Heart trap doesn't work within the next couple of days, it's gonna be a leg hold and lead! The stink is already here!

Wheeeeeeee, I love living outside the city!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Tue, 01 Feb 2000 21:57:36 -0800
From: Dick Carroll <dixie@townsqr.com>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [61876] Re:] Re: Distorted CW from bugs
Message-ID: <3897C750.411A4093@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Monte Stark wrote:

> On Mon, 31 Jan 2000, T.J. "SKIP" Arey N2EI wrote:
>
> > seems to me from what I hear on the air that a bug doesn't come into its
> > own until the op can get up around 20-25 wpm. Only then does the overly
> > pronounced swing go away and turn into that beautiful accent that no
> > electronic keyer can ever hope to create.
>
> I had a long talk with Mitch of Vibroplex about slowing a bug
> down. The reason is that my Vibroplex will slow to about 25 wpm
> or so and that's a bit too fast for me to get back into the
> habit of sending good CW with it.
>
> Adding more weight does have a limit.
>
> If you look at a bug (of the Vibroplex design) you will see that
> the arm where the weight's go in fastened to a spring. This
> spring sets the rate at which the arm will move back and
> forth.

It was once common to remove metal from that leaf spring by using a small round file and filing a shallow notch in the top and bottom of the leaf, removing enough of the spring that the stiffer action was modified and allowed the low end speed to drop somewhat. Some bugs are built with stiffer springs than others, and are candidates for this treatment.

If I did this, I'd make sure to use a very fine file to smooth the notch, removing all rough edges so as to lessen any possibility that a stress crack would develop. I still remember the gravel nicks in light aircraft props that would eventually cause them to fracture and break, starting with the nick if not treated. We filed the nicks out, rounded smooth, as a preventative. It worked.

BTW..I've got an old Vibroplex Lightning Bug that needs a full operating lever with the dit contact spring mechanism. Someone has converted it to a electronic keyer paddle, replacing the lever from thumb/finger paddles forward, with one that has no spring, and has a solid contact at the dit contact. Anyone know where one might be found? These had a rectangular shaped reed instead of round, where the weights sit. I picked it up at a flea market as is, and if I don't find the necessary pieces I'll see if I can convert what it has to work right as a bug. Watch those antique shops and flea markets, I've found a couple sleepers there.

Dick W0EX

Date: Tue, 1 Feb 2000 23:09:40 EST
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [61877] OT: Radio Shack 10M
Message-ID: <5b.170aa78.25c90804@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I know some folks get irritated when someone stays off-topic too far but at least go to the end of the message for QRP content. And, please allow me to use a bit of bandwidth to thank whoever first mentioned the inexpensive Radio Shack 10M radio.

I both one in Nov and finally installed it over the weekend replacing an old CB-antenna with a hamstick. Used it for the first time today. Wow! The first contact was in the Philippines and the second was in Australia.

I'm still relatively new to ham radio but contacts like that are unbelievable to me.

Thanks again!
Gerry, K1LR0/7
PHX AZ

PS: QRP Content: I got the ding-dong to collect prizes for Ft. Tuthill. The initial call has gone out. The first two responses were very positive. If you're a vendor and I missed you, I apologize and we'd welcome your participation. If you're a customer and are headed to Ft Tuthill, ask all the vendors if they're coming too! :-)

A list of participants and prizes will be published later as we get closer. Even if you can't attend, take a moment and thank those folks who support us and this wonderful hobby and give them your business. Remember them at tax refund time too! :-) hi hi.

Date: Tue, 1 Feb 2000 22:30:48 -0800
From: jbhenson@zebra.net (James Bartley Henson III)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [61878] EEEEEHAAAAAA!
Message-ID: <000301bf6d47\$0bf3dce0\$b0450cd1@default>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello to the group,

On May 7, 1990, I had my first CW QSO with Lorenzo, WA4RQT. I can remember to this day how nervous I was at the time. I sweated bullets during that effort. A 43 year old man shouldn't have to do that :-). During the whole time, Lorenzo helped me a long and did a superb job. What really made that chat memorable was the certificate that I received a short time later. He had taken the time to have a "First Contact Club Certificate of Merit" sent to me. To this day, it is the ONLY piece of paper that I have framed and hanging in the shack. Only I know how hard it was to earn and I truly appreciated his taking the time to help this Novice.

Almost 10 years to the day has passed since that first CW QSO. It has been a fun trip, particularly since I have been associated with this fine group of people. I have not talked with Lorenzo since, but tomorrow, I am sending a personal note to him to thank him for his thoughtfulness. After 10 years, I finally reached a personal goal tonight of passing the extra code and written test. Now, I am an Extra.

I am not trying to toot my horn but to let everyone of you know just how darned important this list is. When I read the posts, I see the obvious comraderie that exists here, I see the true enjoyment of our hobby that exists here, I see the knowledge and understanding that is passed between members. It has inspired me to put forth a little effort and it has paid off. To the group, I say THANK YOU. You have helped me more than you will ever know.

Now, where did that fox go???

72,
jay
N4XDW/AE

Date: Tue, 1 Feb 2000 20:35:18 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: AI2Q Alex <ai2q@ispchannel.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61879] RE: Responses to my 4BTV & vertical antenna queskins
Message-ID: <Pine.GSO.4.10.10002012001430.12048-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Feb 2000, AI2Q Alex wrote:

>
> One thing you should know is that, to my knowledge, it is impossible to
> phase a pair of verticals on other than one frequency in one band, using a
> coaxial cable delay line. In fact, it is VERY difficult to properly phase a
> pair of verticals at all, and it cannot be done properly with a fractional
> wave section of coax, as some would have you believe.

Hi Alex and the gang,

I have to disagree. Not because I understand verticals and phasing
but because of a series of articles I read in the old Ham Radio
magazine years ago and because of the phased arrays I've made.

NOTICE>>>> This applies ONLY to a 2 ele array. For more then that,
you need to jump through lots of hoops!

It was by Forrest Gehrke, K2BT and it started in the May, 1983 issue.

Here is part of what he says about the 2 ele phased array:

"The 1/4 wavelength version is quite tolerant of drive condition
deviations and displays a useful F/B ratio even with phase displacements
far from optimum. These characteristics, plus its simplicity and small
space requirement, account for its popularity."

Later.... "It so happens that if the feed network of this array
consists of 50 ohm, 1/4 wavelength coaxial feeders to the elements
and a 1/4 wavelength delay line, nearly optimum drive conditions
will exist for best F/B".

He also points out that for any more then 2 elements, it takes a
lot of work to get them optimised. He shows how to do it all,
but it's way over my head.

BUT....

I have made a few 2 ele arrays and they ALWAYS had the BIG F/B ratio that you are trying to get.

The halfpower beamwidth is about 180 degs so you site the array to point that sharp null in the direction of your major problem. For me it was the Bay Area of CA. This let me hear the EU stations on 40m in the eve that had always hidden in all the QRM in the past!

I made one 3 ele array and never could make it work at all. I tried several different feed systems, including the Wilkenson power divider as shown in (in think) the antenna book (ARRL).

He states "Incidentally, a Wilkenson divider will NOT supply equal power to unequal terminations."

My experience with phased verticals follows right along with what he says.

You will have 30-40 dB F/B ratios when they are working right. If you only see 10-15 dB F/B ratios, he claims you need to fix them! :-)

Again, I not trying to be an expert or even one who understands just how this magic all works, but I do "know" in my own heart that 2 ele arrays do work well using coax phasing lines.

That big null is VERY NARROW. But also VERY DEEP. You will see stations in that direction go from 20 over S9 to S3 or 4!

I hope the ARRL will soon put the old HR's on CD. There is a LOT of great info in them.

OK, back in my hole..... (and any typos are all mine!)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 2 Feb 2000 04:39:51 -0600

From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "QRP-L Newsgroup" <qrp-l@Lehigh.EDU>
Subject: [61880] FYBO - who's gonna operate ?
Message-ID: <001001bf6d69\$d6d5e940\$e985cfa9@Pjerrys>

A few weeks ago I asked who is going to be on for FYBO contest this coming Saturday. I got some responses but not very many. Quite a few of those responding are interested to know who is going to be on. SO LETS HEAR IT. If you're going to be on please let us know.

Here's a list of calls that are planning to operate:

N3AO
WQ3RP
K5RAC
WA5BDU
KK5NA
AD6EZ
WA6GER
W6OTX
K7ON
KI7MN
N7XY
W7TAO
WB8QYY
NQ9RP
WQ0RP
N0TU

There's got to be a bunch more. Those of us in the frozen tundra need encouragement to venture into the field.

Thanks / 72

Jerry N9AW
Member of QRP Cheeseheads ARC, Wisconsin.....NQ9RP

Date: Tue, 1 Feb 2000 20:43:43 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61881] Re: Converse while Sending/Receiving CW
Message-ID: <Pine.GS0.4.10.10002012035570.12048-1000000@rotor.dri.edu>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Feb 2000, Rick Sealey wrote:

>
> Yep, me too, Joel. Long time friend, N4X0, will be poundin' away at 35-40
> wpm when a couple of us walk into his shack and start jawin' at him. He
> doesn't miss a dit on the air or a syllable in the room. I'm sure we've got
> some members that do this all the time without thinking about it and just
> don't mention it. Ron, Ed, Chuck?? Others??

Well, yes and no!

When I'd be sending phony 5 letter code groups to some net (you don't want to know why!) I could chat away and never miss hitting 5 letters. I didn't care what letters I was sending, all I was trying to do was cause the folks in the crypt room to waste some time and tie up the net so it could not pass "good" traffic!

And, the other thing that let us do this was being able to make our sending sound like whoever the operator was that didn't respond to the NCS.... (Egad, is that the right "name".can't remember now!)

So yes, at times I could talk and send, imatating someone else, all at the same time.

But I don't think I could ever send something that made sense and talk!

Just for those who might not understand how people can get to this point.....it was not uncommon to spend 10 to 15 hours per day doing CW. That might go on for several weeks at a time.

Remember the magic word???? Pratrice, pratice and then pratice!

And you thought that maybe 15 minutes a day was going to do it?

: -)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Tue, 1 Feb 2000 23:01:48 -0500
From: "Mike Duke" <k5xu@concentric.net>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [61882] QRP Forum at Jackson Ms Fest
Message-ID: <000701bf6d32\$5783a1a0\$3d4aadce@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you plan to attend this Ham Fest, the qrp forum will be Saturday, February 5, at 10 A.M. It will be conducted by N5MZX and WA4ZID with a few others of us dropping in for moral support.

Y'all Come!

Mike Duke, K5XU, president,
Mississippi Council of the Blind

Date: Tue, 1 Feb 2000 21:02:49 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61883] Re: FYB0 - who's gonna operate ?
Message-ID: <007e01bf6d3a\$c2143c20\$c9231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone who keeps track of stuff like this said:

>I got some responses but not very many. Quite a few of those
>responding are interested to know who is going to be on. SO LETS HEAR
IT.
>If you're going to be on please let us know.

K7FD will be in the FYB0, easy chair mobile at 72F. That's cold enough for me...

CU on CW only,

73 John K7FreezeDried

Date: Mon, 31 Jan 2000 14:18:14 -0600
From: "Jerry Bartachek" <Jerry.Bartachek@dnr.state.ia.us>
To: <qrp-1@Lehigh.EDU>
Subject: [61884] RE: 160 M Record - Long
Message-ID: <s89599aa.061@idnr4.dnr.state.ia.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

I want to say I am impressed with the efforts of Jim KJ5TF, N4R0A and =
others in working on the
160 M miles per watt record. Kudos to you, Jim, for the 28,500 MPW for =
570 miles with 20 mW!

I wanted to do a tiny bit of bragin' of me own related to 160 M. On Jan =
27th at about 1320 Z
(daylight at my QTH but sun not quite up) I QSO'd VK6HD in Abany Western =
Australia a distance
of 10,800 miles using 5 watts. That's only 2,160 MPW - hardly comparable =
to Jim's feat.

However... I was really stretching VK6HD'S ability to hear a weak signal =
on top band. he gave
me a 449 and I was flattered. I wonder if there is less total system =
noise and far less path loss
at single hop distances making it easier to attain large miles-per-watt =
distances? Could Jim break
his own record using NVIS antennas on both ends and have a 30 mile QSo at =
1 mW yielding
30,000 miles per watt?=20

Next issue for my bragging: My low band antenna is an inverted L 83 feet =
long total. That's a 28 foot vertical leg and a 55 foot horizontal leg =
over twenty 30 foot radials. Comes to only 0.16 wavelength at 1.823 MHz =
where I worked the VK6. I'm just too fat to dance, but I AM happy!

72,

Jerry L. Bartachek KD0CA <><
Washington, IA

Date: Tue, 1 Feb 2000 23:46:28 -0500
From: "Mike Duke" <k5xu@concentric.net>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [61885] RE Helping an old Elmer Return to the Air
Message-ID: <01e501bf6d38\$a147d9e0\$3d4aadce@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Several individuals have communicated with my friend Kevin concerning his wish to assist his Elmer in returning to the air from a retirement facility with a qrp rig.

While Kevin will be in touch with specific individuals regarding their offers, both he and I wish to thank this list for being so helpful and generous.

Mike Duke, K5XU, president,
Mississippi Council of the Blind

Date: Wed, 2 Feb 2000 01:05:09 -0800
From: Robert P Engelman <rengelwb8uoj@juno.com>
To: qrp-l@lehigh.EDU
Subject: [61886] Fw: Re: 2N2/ 40
Message-ID: <20000202.010513.-190731.0.rengelwb8uoj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hey gang!

Just got the receive section of my 2N2/40 going this afternoon and wanted to share a bit of info with y'all. First off, let me start by thanking Jim Kortge for an excellent design and "fun to build" rig, also for troubleshooting tips. I also want to thank Mac Steinmeyer AF4PS for

talking me into this rig and for helping with problems I had on the receive sections. We, (Mac and I) have "long distance" got mine going and are in the progress of getting his to function.

The following was originally sent to Jim Kortge, and I decided to share it with the "group". I will admit that ALL of the problems encountered were by my own fault, and not of the rig design or "bad" parts

In the IF section, toroid T8 is drawn with wires 1 and 4 coming off the primary and 2 and 3 coming off the secondary. This "messed me up". I was used to the primaries having wires 1 and 3 and secondary having 2 and 4. This is the only toroid in the drawing that is shown this way. The "detail" is right, and the wires are shown going to the right places, but I hooked it up like it was 1 and 3 primary, thereby "shorting" the secondary. I just now fixed that problem, and I must say I am AMAZED at the receive !!!!.

I put the sig gen on the rig after fixing T8, and about rattled the windows with the amount of sig. As a matter of fact, it's still almost pianful with the volume down all the way !!!!. I can't wait to finish the final xmit section and get the rig in a cabinet!!.

WAY COOL !. This goes to show you that you have a VERY SOLID design, as if I can "scratch build" one of them, anybody can <grin> THANKS FOR ALL OF YOUR HELP JIM. Couldn't have got it running without you. WOW, I'm pumped up now !. There's nothing that can compare to doing a rig that actually recieves, using the Manhattan construction, It's soooo neat !!

Thanks again Jim, and hope that all is going well on the 2N/15 development

Bob WB8UOJ QRP-L #2019
Grafton OH

Date: Wed, 02 Feb 2000 01:45:30 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: Monte Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61887] Re: FOX Tuesday
Message-ID: <3897D289.6B94A6D7@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I heard Monte, he was not in QSO with Mary.

He was bagging his pelt.

Tom, N1TP
Naples, FL.

Monte Stark wrote:

```
> On Tue, 1 Feb 2000, tom palmer wrote:
>
> > Don't know about band conditions generally,
> > but KU7Y was never stronger in Florida then tonite.
>
> I must apoligize to the whole Fox/Hound bunch tonight....
>
> I took a break from the hunt and moved up the band for a
> very nice chat with Mary.
>
> In the confusion of swapping VFO's, I wound up calling Mary
> on the Fox freq instead of 7051 where I was listing.
>
> Then she called me. I returned her call but she didn't hear
> me.....(remember, I was TXing about 10 kHz down!) So I just
> cranked up the power to 100w and tried it again!
>
> It was about that time that I say my error!
>
> No wonder I was loud!
>
> Color my face red!
>
> Just goes to show that no matter how long you have been at
> this game, you can still manage to be a big lid!  :-)
>
> But I was back down to 950 mW when I got the fox!
>
> >
> > NA6E wrote:
> >
> > > I have to agree with Bob abt the condx and to set the record straight my
> > > call WAS NOT sent out in the pack tonight. I had a great qso (despite arm)
> > > with KU7Y tho :)
>
> Hard copy here but still a great QSO.
>
> Now to get some things done around here.....like setting that trap
> for the skunk again....he's still trying to dig up my buildings.
>
> He has found a way into the garage and under the shack. PHEW!
```

>
> If this Have-A-Heart trap doesn't work within the next couple
> of days, it's gonna be a leg hold and lead! The stink is already
> here!
>
> Wheeeeeeee, I love living outside the city!
>
> 73, Ron
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
>SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 2 Feb 2000 00:44:57 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [61888] QRP WAS Hunters -- VT, NH, ME, DE QSO Parties
Message-ID: <200002020644.AAA20392@sunburst.usd.edu>

Hi gang:
Just noticed that the VT NH ME and DE QSO parties are coming up this
weekend. All are 160-10m.

VT: 2/5: 0000Z -- 2/6: 2359Z

NH: 2/5: 0000Z --2/6:2359Z

ME: 2/5:1300Z -- 2/6:0700Z (time for someone to come out of his hole for this
one!)

DE: 2/5:1700Z -- 2/6 0100Z (off time ==0500-1300)

For budding testers to try ut their 40wpm skills, the

NA Sprint: 2/6:0000Z -- 0400Z

GL!
72, Ade

Date: Wed, 2 Feb 2000 01:09:26 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [61889] 160m Contest Results

Message-ID: <200002020709.BAA25800@sunburst.usd.edu>

Hi gang:

Seems that Ron KU7Y is the only other who said anything about 160 contest results. That's good from my perspective, since he is the ONLY QRP'r who beat me!

To make a long story short:

QSO's = 231; SECS = 49; 1 DX = HI.

Missed: MT (where were you AB7CE?), SD (I heard one), KL7, & VT.

Long version:

I spent last week exercise time out in the garage alternately rowing that stupid machine and splicing together pieces from a 22-ft hank of tossed-out 25 twisted-pair telephone line. It was fun once I got the hang of untwisting the twisted pairs with my B&D drill. Took 3 wires to make a 66-ft radial, meaning 2 solder splices. I enjoyed it also because I've been looking at the stuff for years thinking that it has to be good for something! Ended up with 19 more 66-ft radials, a total of 25. Plus all my other radials.

Fri. night was great -- about the lowest noise ever this season, so I ran up to 165 QSO's by 0400 local time. I thought I was look at least at 300+, but alas, Sat,. was miserable+++ Noise, and propagation stunk. W3TS who had his usual frequency-holding signal out here was in the mud until about 1130 local time. Then he finally came up to a good S6/7. Sat. nite was the most miserable operating ever (maybe except for the Fri. nite last year). Starting with 165 QSO's I only managed to dig and fight and repeat to get another 66 by 0500! Many was the time I'd look at the clock and the log and say "What the???" because I was ready to quit. Break time. The only really good news was AA5AU in LA -- my last state for 160 QRP WAS. That was a "digger" QSO on both ends. First five minute try we failed. 20-min later we finally finished it. I was noticing that some very strong signals in here were being asked for repeats.

I heard VT for several seconds when he sent his exchange, but I could barely copy him and he didn't hear me call. Big surprise, eh?

No MT heard. The SD was probably too close, but he was S&P'ing so not sitting on a freq long enough for me to raise him. But, I suspect that about 35% of those who worked me thanked me -- some were kind of ecstatic after taking 2 mins to get me to repeat it all, only to discover that I was rare DX that they needed!

Boy, when 160 is like Fri night, nothing can beat it. But nothing can be as

bad as 160 on Sat night!

Hope to see many more of you on 160m. Still a lot of season left.

Actually, it seems that 1810 is getting to be where the QRP action is every night.

Listen for AB7CE around 0600-0630Z if you want to work MT.

72 all, Ade

Date: Wed, 2 Feb 2000 01:19:15 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [61890] 160 Test Addendum -- computer logging
Message-ID: <200002020719.BAA27766@sunburst.usd.edu>

I just have to add: after reading the interview with N4BrassPounding BobPatten in the latest quarterly and seeing a pix of his keyboard in front of the rig, I decided that maybe I ought to try that. I downloaded a good-looking program and let it sit until Fri afternoon, only to find out that it had a couple of corrupted files in the ZIP file!! I don't believe in gettin ready ahead of time -- except for radials.

So, I fell back on good old Lotus 123 2.1 or some such and just entered time callles and state. BOY, have I been dumb! This made it the easiest contest ever -- never had to try to find the pen that I flipped somewhere in the process of reaching for the paddle to send my exchange. I even managed a fair competence in sending with my right hand while pecking in the calls etc. with my left hand. Breeze. That added to the fatigue-free operating style of the SIERRA. Plus, I whipped up two tuned speakers -- one for about 700hZ, and the other for about 400Hz. Now, that really made life easier! A flip of the switch wiped out someone I didn't want to hear and boosted the desired signal an incredible amount. I mean, all you have to think of is a guy like me working 165 QSO's in the first night of the contest and you just know that I had to make some kind of improvements over the past!!!

I head N4BP pounding around 1822 several times, but I couldn' get thru. Next time!

72, Ade

Date: Wed, 02 Feb 2000 02:27:02 -0500
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>
Subject: [61891] Fox: Wv3j preliminary foxlog 02-02-00
Message-ID: <3897DC46.F9D7294D@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Wv3j 02-02-00 foxlog is located at:
http://home.rica.net/phelbert/wv3j_foxlog.htm
To see the rest of the website, just lop off the stuff after the last slash.
Please e-mail me if any errors need correcting, and details about how I am supposed to post this data. (If this method is okay, I'll proceed to the final report and post it in this same manner tomorrow night).

72,

Paul, Wv3j

Date: Wed, 02 Feb 2000 02:24:03 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRP Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61892] Ontario QSO Party
Message-ID: <3897DB92.6E0D92DB@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Folks:

Well things are looking good so far for the contest in April...I am hoping to be running from Rainy River District....I will be taking my tent trailer,batteries,and generator,and my ant stuff and qrp rigs and will be set up in Quetico Park.....So hope to give that rare district to

some of you folks...Cant wait...

Fred
VE3FAL
CQRP #11
RAC Member
QRPARCI

Date: Wed, 2 Feb 2000 05:38:33 EST
From: Wa3ptg@aol.com
To: qrp-1@lehigh.edu
Subject: [61893] Re: QRP WAS Hunters -- VT, NH, ME, DE QSO Parties
Message-ID: <57.15dc26f.25c96329@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/2/00 1:46:43 AM Eastern Standard Time, aweiss@usd.edu writes:

> Hi gang:
> Just noticed that the VT NH ME and DE QSO parties are coming up this
> weekend. All are 160-10m.
>

DE QSO party? Maybe I can work a DE station! In the two years I've been back in radio I've heard exactly *1* DE ham! No wonder folks are asking me for QSOs. I know there are hams out there, need to find a way to wake them up.

72 DE WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Wed, 2 Feb 2000 07:34:41 -0500
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61894] 160M Contest
Message-ID: <200002021233.HAA95760@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Greetings All,

Just read Ade's post on his 160M adventure and thought I would add mine.

Friday night was pretty good here also and wish that I had put in more time. I quit after 9 hours operating and had 264 contacts at that point. Like Ade, I thought that I could make several more the next night. Sleep seemed more

important than putting in a major effort. hee hee

Saturday night was in one word "horrible". I worked a couple of hours but conditions just were not there and again I went to bed. Arose at 4 A.M. (0800Z) and finished with a total count of only 299 QSO's. Never did hear LA, VT, SD, ND, NE, NV, OR. Only worked VE2, and VE3 in Canada and all the DX I heard were barely a whisper. In other words, a big black hole here. Total multipliers was 39. Don't get me wrong, I am not complaining, I always have a blast in the 160M contests. Some turn out better than others though.

I did work several of the QRP-L bunch. Anyway, I think they were QRP. Some that come to mind are AB5UA, W8RU, WS4S, W4DEC, W3TS. I think there are others but you know how us seniors are when it comes to remembering. Anyone I worked that was QRP, please let me know. I'll be looking for you Ade, and you others as well.

72...Dan, N4ROA

Date: Wed, 02 Feb 2000 06:22:02 -0700
From: Bruce Grubbs N7CEE <n7cee@arrl.net>
To: nilsbull@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61895] Re: 4BTV & vertical antenna queskins
Message-ID: <3.0.5.32.20000202062202.00a7ea50@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nils,
I've had a 4BTV for years. It even survived a lightning strike. Although my favorite home QTH antenna is a 40m full wave horizontal loop up about 40 feet, I like the trap vertical because I can check the bands (well, 40, 20, 15, and 10) without tuning. It's mounted on the roof and has the factory recommended 8 radials, two 1/4 wave for each band. It covers all of the cw portions of each band with good SWR. The SWR goes up a bit at 7300 but I don't operate phone much. The installation directions from Hustler are excellent- they give the exact dimensions to use for ground, roof, or tower mounting and I haven't had to retune from that.

I've been doing a lot of reading on verticals lately, because of trying to optimize my portable DK9SQ-mast-based vertical, and it's pretty clear that ground mounted verticals need far more radials than elevated ones, but they can be shorter. I'm using 16 0.1 wave radials on the portable, feeding it with twinlead, a ZM-2, and I can tune it on all bands 80-10 including WARC (it's cut for 7040).

So elevating your vertical will make your life much easier because the radials act more like a groundplane than a counterpoise.

Enough rambling, I'm sure you'll get an earful from the many QRP-Lers who know a lot more than me. Good luck!

72

Bruce N7CEE
n7cee@arrl.net

Date: Wed, 2 Feb 2000 06:34:08 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [61896] 160m beacon?
Message-ID: <013201bf6d82\$2f0201e0\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been hearing what I think is a beacon at 1835KHz around 1200z.
...signing "3NB0" with a long dash after the call sign. Anyone know where it located? it's a

Date: Wed, 2 Feb 2000 08:36:25 EST
From: GUARDM@aol.com
To: qrp-l@lehigh.edu
Subject: [61897] Free Extra Class License Manual ...GONE
Message-ID: <df.d2d3ba.25c98cd9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hey Everyone, The Book is gone. Sorry to those who didn't get it.

73,
Mev KG9NF
Madison Wisconsin
QRP-L #2066 10X #7014 ARS #641

<http://www.qsl.net/kg9nf>

"They looked at me like I had lobsters coming out of my ears!" -A Christmas Story-

Date: Wed, 02 Feb 2000 08:50:40 -0500
From: "Pete (N9SSA)" <n9ssa@arrl.net>
To: jrybak@mesastate.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61898] Re: Good 10-meter Antenna for Portable QRP Use???
Message-ID: <4.2.0.58.20000202084557.009a0e00@172.16.1.100>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I use a 10M vertical mag-mount on my SUV. The cheapie from Radio Shack. I have worked Europe on 5 watts ssb mobile with it easily.

If you are looking for something to throw in the trees, I'd go for a wire antenna for sure... dipole or loop.

At 03:30 PM 2/1/00 , James P. Rybak wrote:

>I plan to do some low power 10 meter operation while on vacation this
>summer. What's a good, portable antenna which will not weigh a ton and
>which will fold up or collapse easily?
>
>Thanks.
>
>Jim Rybak W0KSD

N9SSA - Pete Hoffswell
Holland, MI - EN62wt - 42.79N 86.15W
n9ssa@arrl.net
QRP-L #2109

Date: Wed, 2 Feb 2000 08:46:45 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:phelbert@rica.net" <phelbert@rica.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [61899] Fox: Wv3j preliminary foxlog 02-02-00
Message-ID: <200002020850_MC2-9754-5877@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;

charset=us-ascii
Content-Disposition: inline

Paul:

Re your preliminary log = at Z0215 my call *should* read K-0-E-V-Z.....not K0EV_A_. Thanks for making this correction in your final log :-).

Thanks for digging me out of the pileup last evening. Setup = a Sierra into the 540' horizontal loop up 33'. The K2 is on its way to Ed Loranger WE6W where several new modules will be installed.

Paul, thanks for serving as Da FOX and GL in FYB0 this weekend.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Wed, 02 Feb 2000 09:10:54 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [61900] WV3J Preliminary LOG
Message-ID: <38983AED.311CF384@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The correct e-mail address for Paul's Preliminary Log is:

http://home.rica.net/phelbert/wv3j_foxlog.htm

Cheers,

Tom, N1TP
Naples, Florida

Date: Wed, 2 Feb 2000 09:09:27 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:phelbert@rica.net" <phelbert@rica.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [61901] [00PS]Fox: Wv3j preliminary foxlog 02-02-00
Message-ID: <200002020913_MC2-976C-C01E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Paul:

I should have said*Z0115* for the time of the FOX QS0. Nuts. Eyesight
seems to be getting even worse here. Oh well -).

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Wed, 02 Feb 2000 09:35:12 -0500
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>
Subject: [61902] Fox: correct URL http://home.rica.net/phelbert/wv3j_foxlog.htm
Message-ID: <389840A0.DE77DC25@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gentlemen;

Sorry I left out the "/" in the URL I posted. Corrected version
follows:

> The Wv3j 02-02-00 foxlog is located at:
> http://home.rica.net/phelbert/wv3j_foxlog.htm
> To see the rest of the website, just lop off the stuff after the last
> slash.
> Please e-mail me if any errors need correcting, and details about how I
> am supposed to post this data. (If this method is okay, I'll proceed to
> the final report and post it in this same manner tomorrow night).
>
> 72,

>
> Paul, Wv3j

Date: Wed, 2 Feb 2000 06:33:47 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: hdeitz@ms.rose.cc.ok.us, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61903] Re: 10 meter QRP antenna
Message-ID: <20000202143347.21331.qmail@web2006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hal, those dimensions sound correct ... i scaled one for 6m use. The article was in QST not long back but they have published lots of 10m antenna articles. I suspect i got the dimensions in an old log book somewhere. This should be enough detail for anyone to build the antenna ... if the dimensions are off the VSWR meter will tell the builder which way to shorten!

This antenna is fed at the bottom, top and bottom the wire runs thru PVC for support - yes attach the coax thru a hole in the PVC to feed the wire - the used a poor mans balun which is a few turns of coax tied together.

This antenna can be hoisted into a tree given its nice shape, or hung on a ten foot piece of PVC on an elevated deck ... i have done both. mine is retired now as i have built quads for 10 and 6 m.

Curt WB8YYY

--- "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
wrote:
> Guy and Gals,
>
> I just saw the plans for a good 10 meter loop last
> night, but can't find it
> right now. I do remember that the dimensions were
> 73 inches across the top
> and bottom and 146 inches on the sides. It has some
> gain in this
> configuration. You could make this out of PVC and
> run the wire on the
> inside. It was fed with 50 coax in the middle of
> the bottom 73 inch

> section.
>
> Hal - WB9VMY
>

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Wed, 2 Feb 2000 10:13:06 -0500
From: "Thom Durfee" <wi8w@arrl.net>
To: <qrp-1@lehigh.edu>
Subject: [61904] WAS and my TT2
Message-ID: <000b01bf6d90\$02d51360\$7b700a0a@usxchange.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy,

Got my Tuna Tin 2 Kit in the mail yesterday and am melting the solder on it. I should have it finished tonight and this weekend I will be starting my attempt for WAS on 40 Meters CW using this little beauty. I will use a OHR-100 for the receiver so if you want to give me your state, listen for my little signal somewhere around 7.040 - 7.045.

This is also a test as I am not sure if the listserver is accepting my email (even though I did not change my email address).

Thanks for the bandwidth.

Thom WI8W

Date: Wed, 02 Feb 2000 07:10:57 PST
From: "Peter Pavlovich" <radioroom@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [61905] good cw/bad cw
Message-ID: <20000202151057.9857.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gosh guys,

Let me start by saying that I do not consider myself to be a superlative CW operator but it is my favorite mode of operation. My top speed is only around 20-21 wpm but I'm most comfortable and reliable around 18WPM or so.

That said, I must admit that I find no redeeming qualities in sending or receiving poorly spaced code. Running letters together with little or no spacing is not a trait that anyone should want to have, let alone be proud of as a "signature". Was that an "ei or ie or s"? Was that a "p or we"? It's nearly impossible to hear individual letters let alone words with this type of sending. It's just not enjoyable trying to unscramble a poor fist. After all, the term "nice fist" would ring pretty hollow if all fists are to be considered good.

At the same time, I understand not everyone, myself included sends continuous good quality cw. What I do consider to be paramount is sending my characters with proper spacing. Perhaps for some that may take a little extra effort or maybe even practice but so too did learning cw to begin with. The fact that I don't enjoy qso's with that type of fist yet still do qso with them is my show of good faith to that fellow ham. Perhaps those fellow hams who send the ill-spaced code could meet me half way and show a little more attention on their end of the qso as well.

There is nothing mean spirited here gentlemen; it's just an observation.

72 to all and a great day,

Peter Pavlovich N8EVJ

Hot cup of coffee, nice rig, smooth CW, and good conditions equals one great day!

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 3 Feb 2000 09:10:45 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [61906] OT: Practice Exams
Message-ID: <01a001bf6e58\$dbcebe00\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone know of on-line (Web) sites for taking practice Extra Class exams,

other than QRZ.COM?

Been there, done that.

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

Date: Wed, 2 Feb 2000 10:21:14 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <ku7y@dri.edu>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [61907] RE: Responses to my 4BTV & vertical antenna queskins
Message-ID: <000101bf6d91\$25418680\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

But wait, there's more! (There always is, isn't there?)

Lots of additional information on the "right" and wrong ways to feed a pair of 1/4-wave-spaced 1/4-wave phased verticals can be found in ON4UN's book "Antennas and Techniques for Low-Band DXing." I use it as my reference Bible for these types of discussions, especially after spending many hours over three years tinkering with my pair of 1/4-wave 80-meter phased verticals to get them to work with any degree of satisfaction. My QTH is in southern Maine, about a mile from the ocean, and in an area of medium-to-poor-conductivity soil.

In the simplest rendition of a workable approach, Devoldere shows why using a quarter wave phasing section of coax results in a system where each vertical has different voltage across the input terminals. Not good. Not matched. Mediocre performance.

BUT, it's interesting, because simply by changing the length of the delay line from 90 degrees to 73 degrees, you get a MUCH better match, which Devoldere emphasizes has "almost correct voltages." I've tried that, and it does work---but it's still not good enough in my humble opinion, to justify all the work required to build an antenna like this.

And make no mistake, a phased vertical system takes a lot of real estate and work. Lots of cut-and-try and testing and changing--and then testing again,

etc. The ground system is also a major undertaking. I guess that's why elevated radials are so popular with vertical phased array builders--but that's another story--and one I have zip experience with.

In my 1/4-wave spaced system, I use an LC network, and have found that it gives me much better F/B, and is adjustable to boot. I can shoot for either maximum F/B, which is what I prefer, OR maximum forward gain. By the way, I use a pair of DC relays and steering diodes, along with a DPDT polarity reversal switch, to remotely point the beam E or W or broadside.

I would very much like to see the article written by K2BT in May, 1983 Ham Radio Magazine, and if anyone can fax or mail me a copy, I'd be very grateful. In the meantime, I have only K2BT's system as described by ON4UN to refer to.

K2BT's technique shown in Chapter 11 of ON4UN's book for matching 1/4-wave-spaced verticals is kinda nifty though, because you don't need exact length feedlines. But his technique requires careful impedance measurement (I use an old General Radio 1606 bridge and a URM-25 signal generator with a Sony ICF-7600D portable as a detector--all very bulky. An MFJ tuning meter or Autek box would be easier to use). The measurement is followed by some simple calculations (K2RR helped me with this), and construction of two phase-shift networks, one for each feedline.

But, to get a F/B of more than 20 dB, which is what I think I see on an optimal "good night" (propagation-wise), the phase angles need to be tightly controlled. If you use the old 1/4-wave coax section method, you'll see 12 or 15 dB. If you use an LC network like I do, I see about 15 or sometimes 18 dB, which to me is heaven. K2BT says that by ensuring tight control, you can see better than 20 dB. Wow! I ain't been there yet--not to my satisfaction; not consistently.

Also, reports are both a great way and a rotten way to determine how the thing works. I really enjoy running tests with Europeans or stations to my west. I often get reports of "2 S units" or "3 S units" or "I can't hear you when you point your beam away" or "there's a huge difference." All very subjective, although I love to hear these reports, especially the ones that indicate three whole S units. Still, if an S unit is 6 dB, that'd be useful, but who has a calibrated S meter?

I guess anyone who gets/claims better than 20 dB F/B has hit on a sweet spot by sheer luck, is receiving overly optimistic reports---or has done his/her homework. I wish I were that lucky--or smart.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Monte Stark

Sent: Tuesday, February 01, 2000 11:35 PM

To: Low Power Amateur Radio Discussion

Subject: RE: Responses to my 4BTV & vertical antenna queskins

On Tue, 1 Feb 2000, AI2Q Alex wrote:

>
> One thing you should know is that, to my knowledge, it is impossible to
> phase a pair of verticals on other than one frequency in one band, using a
> coaxial cable delay line. In fact, it is VERY difficult to properly phase
a
> pair of verticals at all, and it cannot be done properly with a fractional
> wave section of coax, as some would have you believe.

Hi Alex and the gang,

I have to disagree. Not because I understand verticals and phasing but because of a series of articles I read in the old Ham Radio magazine years ago and because of the phased arrays I've made.

NOTICE>>>> This applies ONLY to a 2 ele array. For more than that, you need to jump through lots of hoops!

It was by Forrest Gehrke, K2BT and it started in the May, 1983 issue.

Here is part of what he says about the 2 ele phased array:

"The 1/4 wavelength version is quite tolerant of drive condition deviations and displays a useful F/B ratio even with phase displacements far from optimum. These characteristics, plus its simplicity and small space requirement, account for its popularity."

Later.... "It so happens that if the feed network of this array consists of 50 ohm, 1/4 wavelength coaxial feeders to the elements and a 1/4 wavelength delay line, nearly optimum drive conditions will exist for best F/B".

He also points out that for any more than 2 elements, it takes a lot of work to get them optimised. He shows how to do it all, but it's way over my head.

BUT....

I have made a few 2 ele arrays and they ALWAYS had the BIG F/B ratio that you are trying to get.

The halfpower beamwidth is about 180 degs so you site the array to point that sharp null in the direction of your major problem. For me it was the Bay Area of CA. This let me hear the EU stations on 40m in the eve that had always hidden in all the QRM in the past!

I made one 3 ele array and never could make it work at all. I tried several different feed systems, including the Wilkenson power divider as shown in (in think) the antenna book (ARRL).

He states "Incidentally, a Wilkenson divider will NOT supply equal power to unequal terminations."

My experience with phased verticals follows right along with what he says.

You will have 30-40 dB F/B ratios when they are working right. If you only see 10-15 dB F/B ratios, he claims you need to fix them! :-)

Again, I not trying to be an expert or even one who understands just how this magic all works, but I do "know" in my own heart that 2 ele arrays do work well using coax phasing lines.

That big null is VERY NARROW. But also VERY DEEP. You will see stations in that direction go from 20 over S9 to S3 or 4!

I hope the ARRL will soon put the old HR's on CD. There is a LOT of great info in them.

OK, back in my hole..... (and any typos are all mine!)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 2 Feb 2000 09:50:39 -0600

From: "Frank Krozel" <frank@electronicinstrument.com>

To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [61908] Re: Kit - TenTec 1340 on the test bench
Message-ID: <00bb01bf6d95\$421fd3c0\$7ab7dccf@kg9h>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim:

The only thing I can say is that before soldering the final in, try a dry run, to see how and where to position the final transistor. At least that is what I did on my 40 meter 1340. I love it!

I did have some "popping" from T to R, and TT has a fix for this.

Frank KG9H

----- Original Message -----

From: <n5ib@juno.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Tuesday, February 01, 2000 9:45 PM

Subject: HB: Kit - TenTec 1340 on the test bench

> A newly licensed ham was referred to me for assistance with his TenTec
> 1340. It's partially completed (through section 5, I believe he said - I
> haven't seen the manual yet) and he's coming over tomorrow night for some
> help in the preliminary checkout. He's unsure whether everything so far
> is working or not.

>

> This is just a request for tidbits of info about this rig and its
> checkout and alignment that some of you may be able to share with the two
> of us. I've never seen one of the TenTec kits before. So if you have any
> advice that might save us some time and trouble pass it along...

>

> Thanks & 73,

> Jim N5IB

>

>

> -----
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>

Date: Wed, 02 Feb 2000 07:53:06 -0800

From: Ed Loranger <we6w@netzero.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [61909] Dog days of yore. PSK-31

Message-ID: <389852E2.F773B359@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Let see, at 41 years and going strong with building rigs etc., I feel a bit cheated missing out on the Heathkit era. And with all the growth since, I'm just glad to be here working on what is current, confident that these will be the classic times to remember when I'm 71.

At least I didn't miss the computer revolution. Lagging behind it a bit but still longing for the older games and operating systems.

I got a monochrome, Epson Laptop cpu with 4 MB and Win 3.1 that I just love. The kids don't understand I'd rather solve math equations and do technical gaming rather than play duke nuke'm.

What is neat about the old OS is that many of the Win 3.1 and Dos games are freeware, full-featured programs that really work great. One Ham logging programme, Amateur Radio Utility, AMV7.01 or something like that, comes in win3.1 and the guy gives you the keyword for all features. Also evaluating LOGEQF 8.3 which may not be full featured, we'll see. Another logger has lots of good ideas but runs a bit slow, I think it is just LOGGER. You have to remove printers if you want some to run without a printer connected or it/they crash.

But, it is still faster to log by hand. At least for now. And the QRM from the harddrive isn't too bad but for QRP it is not acceptable when doing large file transfers such as copies from floppy. If It only had about 32 MB RAM and 1 GB harddrive that would be the cat's meow. Don't mind the wait as much as not being able to run a big program. I believe the old BIOS will do 1 GB max harddrive addressing.

Had a nice chat with Bud/K5BNZ in NM. Last week he had his first PSK-31 qso and is stoked about the mode. Sounds great and I've followed all the threads. Now I'm waiting to hear everyone is doing it at 1 watt, up and off the qrp freqs so it'll be quiet for my cw qso's :)

Actually, I like the idea of PSK-31, that's a keeper. But using a cpu with the rig, many, I don't want to carry that on the bicycle too. And hiking? Wow.

WHAT I WANT is the PSK-31 mode driven by my paddle or bug or whatever. All the PSK done inside the rig with the PSK-31 chip. No keyboard scancodes to transmit, or however it works. Just plain old PSK-ook. PSK-31/CW?

Am getting tired of apples and oranges comparisons. "PSK-31 MDS better than CW!" How abt: PSK-31/CW mode better than CW?

Think about one thing. They did do AM and SSB right. The circuitry is in the rig. Just add microphone with TX switch. I do so long for the CW PSK mode on a chip.

And a new connector on the front for my bug or paddle.

Habba Day folks. 72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Tue, 1 Feb 2000 17:36:09 -0600
From: Clifton W Sikes <ab5uacw@juno.com>
To: jerrys@execpc.com
Cc: qrp-1@Lehigh.EDU
Subject: [61910] Re: FYB0 - who's gonna operate ?
Message-ID: <20000201.173610.9918.1.ab5uacw@juno.com>

In response to Jerry, I will be doing FYB0, on 20 meters. Rig will be DSW-20 and antenna will be wire vertical, hanging from the Black Widow fishing pole.

We had 12 inches of snow last weekend, but the temps are warming up. It looks like it will be knee deep mud, from the banks of QRP pond, out in the boonies of Earlsboro, Ok.

CU there,

Clif AB5UA

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 02 Feb 2000 10:52:20 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: wi8w@arrl.net

Cc: qrp-l@lehigh.edu

Subject: [61911] Re: WAS and my TT2

Message-ID: <389852B4.7C36@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Thom,

When trying to work WAS you will often encounter frustrations trying to work some states. Please think about this idea. Throughout the year the League sponsors state QSO parties. You can find them listed in QST and also in the excellent Contest guide that is published here weekly! I would suggest you make plans to listen for these state QSO parties as a way to improve your chances and painlessly increase your state totals.

By the way, I am offering an award for the first confirmed TT2 WAS (prize unspecified as yet). This award was mentioned in my ARRL Web Extra column a couple of months ago. It will be the subject of discussion in a future column!

73

Date: Wed, 02 Feb 2000 07:56:51 -0800

From: David Shalita <af389@lafn.org>

To: qrp-l@lehigh.edu

Cc: Roger Traylor <traylor@ECE.ORST.EDU>

Subject: [61912] Wainwright solder mounts

Message-ID: <389853C3.4B3F4E09@lafn.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Roger,

Regarding SMT Solder Mount PCBoards

I also am interested in a group buy.
73, W6MIK

> Gang,
>
> These surface mount IC adapters look really nice. However
> the \$100.00 minimum charge is too steep for me. Perhaps an
> interested party could arrange a group buy.
>
> Any takers? Anybody interested?
>
> See the adapters at: <http://www.rdi-wainwright.com/>
> Roger Traylor WB4TPW
--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Wed, 2 Feb 2000 10:06:56 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61913] FYB0
Message-ID: <0974781F4FC8D211A24600902727E806011B1DF1@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The Thousand Oaks Wildlife & Environmental Refuge (T.O.W.E.R) will be participating, but will have a late start. (There is a reason why we call it TOWER guys, he, he, pun intended!) Equipment will be the Harris 100 mW QRP do it all rig. Sure wish we could do both SSB and CW. Watch for our medium slow CW signal around 12 wpm on a straight key. Antenna will be a trap vertical and a dipole for 160m. Callsign will be WB9VMY.

Hal

Date: Wed, 02 Feb 2000 11:16:58 EST

From: Dean W Manley <kh6b@juno.com>
To: n0tu@webaccess.net, qrp-1@lehigh.edu
Cc: kh6b@juno.com
Subject: [61914] Re: 160m beacon?
Message-ID: <20000202.061655.5391.1.kh6b@juno.com>

Hi Steve,

It looks like you found one of the many long-line fish net buoy beacons. They are plentiful in the Pacific Ocean. They can be found just below the 160 meter band as well as throughout 1.8 -2.0 MHz. They are also heard on 10 meters in Asia as well as Hawaii.

Some of the beacons are continuous and some repeat the I.D. with the long dash three times, then silent for about 4 minutes.

I'm told that they run one watt to an 8' whip antenna. But, I suppose the good salt water ground enhances the signal somewhat.

I hope this helps.

72, Aloha,

Dean KH6B Hilo HI BK29KP
ARRL Life, HI Chap. 194 QCWA
HI QRP 001

On Wed, 2 Feb 2000 06:34:08 -0700 "Steve/n0tu" <n0tu@webaccess.net> writes:

>I've been hearing what I think is a beacon at 1835KHz around 1200z.
>...signing "3NBO" with a long dash after the call sign. Anyone know
>where it located?

Date: Wed, 2 Feb 2000 10:19:05 -0600 (CST)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Steve/n0tu <n0tu@webaccess.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61915] Re: 160m beacon?
Message-ID: <Pine.LNX.4.05.10002021018510.21555-1000000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Probably a drift net beacon.

On Wed, 2 Feb 2000, Steve/n0tu wrote:

> I've been hearing what I think is a beacon at 1835KHz around 1200z.
> ...signing "3NB0" with a long dash after the call sign. Anyone know where it
> located? it's a
>

Date: Wed, 2 Feb 2000 10:41:15 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <dandooley@pipeline.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [61916] RE: Practice Exams
Message-ID: <000001bf6d9c\$53160120\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.biochem.mcw.edu/Postdocs/Simon/radio/exam.html>

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Dan W. Dooley
> Sent: Thursday, February 03, 2000 9:11 AM
> To: Low Power Amateur Radio Discussion
> Subject: OT: Practice Exams
>
>
> Anyone know of on-line (Web) sites for taking practice Extra
> Class exams,
> other than QRZ.COM?
>
> Been there, done that.
>
> Dan W. Dooley WB5TKA
> e-mail to: dandooley@pipeline.com
> May Goddes love blest ye alle
>
>
>
>

Date: Wed, 2 Feb 2000 08:54:47 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [61917] Logging and Email
Message-ID: <Pine.GS0.4.10.10002020839340.16295-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I just got the new version of DX4WIN. I had been evaluating this program for about 2 months and really like it.

This is SIMPLE to import any ASCII contest logs and from what I understand it also handles many of the binary logs too. (I use TR Log for contesting and these logs import like a snap!)

You can keep track of QRP contacts, different contests, DXing and just about anything else you want.

This is a full blown 32 bit Windoz program which is great because of the ease of operation. Supports many rigs if you want to interface it to the radio.

At about \$90 it's NOT cheap, but it does seem worth the cost.

At the other end of the money scale, here is a FREE deal:

Check out

<http://www.qsl.net>

Here you can get a FREE email address AND home page! For example, you can email me now via:

ku7y@qsl.net

and it will be forwarded to my dri account. So as I change accounts in the future no one needs to worry about finding me because this new address will find me for you!

It's like the forwarding service at ARRL or Contesting.com but it's FREE!! NO club to join or organization to support.

If you can, it would be nice to donate something to him. He suggests \$10/year but ONLY if you WANT to. It is NOT

NECESSARY.

So now I can even claim to have a home page! Of course there is nothing on (or should that be in?) it yet!

OK, back in my hole.....

(And notice that I am able to make a post without saying anything about the different ways to turn a TX on and off kinda fast and how others are able to, with varying degrees of success, tell what the "turner oner-offer" is trying to say.) :-)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 02 Feb 2000 09:01:21 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [61918] Re: Dog days of yore. PSK-31
Message-ID: <389862E1.761E@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed, your wanderings in thought sparked (no pun intended) a related thought. Let's get some of these engineering guru types to work out a way to use PSK31 as follows: two input options, iambic cw with sidetone and PC keyboard, and two three output options, cw, a short LCD rolling display, and standard PC monitor. Any rig that does ssb should be able to, with this hypothetical add-on device, do PSK31 WITHOUT a computer and display. What is the point? Why, of course, the point is to make it plausible for operations from field sites and even on a bicycle in motion or in a tent. Going to cw both in and out of PSK31 frees up the necessity of having a monitor (huge, ungainly, powerhungry) and a keyboard (again, huge ungainly and powerhungry). Iambic keyer generated cw is already a known artform and, seeing as the gadget doing this interface is basically a computer, it should be readily possible to do a speed reduction on output for those who cannot do serious QRQ copy. This is a great idea... I am gg to describe it fully to the Elecraft gang and maybe they will get excited about it. PSK31 is the ONLY digital mode besides cw that has ANY interest for me but it comes

burdened with lots of auxiliary eqpt to do it at present.

I can envision it now... doing 30 wpm in pitch black inside a backpacking tent in the Sierra Nevada mtns chatting merrily with the gang up and down the coast using PSK31 but hearing cw, the ideal stealth mode/ in the dark mode/ in a sleeping bag and tent mode. And jumping at a single button-push to traditional cw for variety. Whew, heady thoughts these.

On Dog days of yore. I got my license about the time Ed was born (within a few months) but I never could afford even used Heath ssb gear. By the time I could afford it, Heathkit had gone away and everything had changed. I missed it too, Ed. As you imply, the days of yore for the next few decades are NOW. I am so glad I finally got going on backpack portable operating that I had been 'dreaming' about since 'days of yore'. The NorCal 40A is a TRUE classic. Likewise, every QSO made from within a tent is memorable. From inside a sleeping bag is even more so.

sorry about the bandwidth. I just got carried away with the vision...

Allan K7GT

--

Allan Taylor agtaylor@llnl.gov

Date: Wed, 02 Feb 2000 09:05:20 -0800
From: Jeff Grudin <grudin@vdbbs.com>
To: qrp-l@lehigh.edu
Subject: [61919] FYB0 operation Question
Message-ID: <389863D0.8D7A0222@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To the ones that know:

We are going to operate a group FYB0 and I am not sure of the best way to approach it.

We will have at least 3 transmitters (possibly 4). Two CW and one SSB. We are going to the same site that we did the BB contest. The weather report says rain, so we may be inside a tent.

My question is should we use a single callsign for all transmitters?
This means that if you work us on 20M you couldn't work another of our
group on 20 again. It also means that if you work us on 20CW, you can't
work us on 20SSB which seems strange.

Or should we each use our own callsigns, and turn in separate logs?

I guess the question really is: is there single, multi single, and multi
multi categories?

Thanks.

--

73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Wed, 02 Feb 2000 12:17:27 -0500
From: RON TODD <k4wz@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [61920] Too Many Radio's. For Sale
Message-ID: <389866A7.63D6DE07@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Make any offers, Everything goes. Reply only to. K4WZ@BELLSOUTH.NET

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NORCAL 40A w/ KC-1 KEYER w/manuals
WQ4RP SMITE KIT w/instructions
Vectronics 80m and 40m rec and tranmitter built w/manual
Vectronics VEC-202 mini-keyer w/ momory
Whitrook MK-22 MK-44 and MK-88
PK-2 Keyer kit w/ hardware
ZM-2 Match ATU kit
Wilderness Radio SST cw T/R Kit
Kanga oner swr bridge kit
Micronaut 80m, and 30m kit
40m cubic incher 7.040 xtl kit
80m cubic incher 3.560 xtl kit

MONEYORDER TO
RON TODD

PO BOX 885
FOREST PARK, GA. 30298

Date: Wed, 02 Feb 2000 10:18:33 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: grudin@vdbbs.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61921] Re: FYBO operation Question
Message-ID: <389866E9.5115FDF2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The categories are:

Single op (Home/Field)	One call sign, one xmtr, one op
Multi-op (Home/Field)	One call sign, one xmtr, more than one op.

There is no multi-multi category, so pick one of the above. I'd like this to be as much fun as it can be, and not get bogged down in all the different operator categories.

Also, keep in mind that only one mode can be used. Pick what you want, and stick with it.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Wed, 02 Feb 2000 12:53:48 -0500
From: RON TODD <k4wz@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [61922] FORSALE
Message-ID: <38986F2C.6313B614@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

UPDATE
THE Wilderniss Radio SST Kit is for 20 meters

Ron K4wz@bellsouth.net

Date: Wed, 2 Feb 2000 10:03:59 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61923] Re: FYBO - who's gonna operate ?
Message-ID: <01bf6da7\$e165e2a0\$4dd8fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jerry
You can add N6WG to your list.
I will have WA6NAE and WA6BOY with me
for a fun day.
73 and see you on the air,
Bob N6WG

Date: Wed, 2 Feb 2000 10:08:09 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61924] Re: 160m beacon?
Message-ID: <01bf6da8\$761f7690\$4dd8fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Steve
Yes, I heard 3BP0 here on San Francisco Bay also.
>From the earlier threads about beacons, I assumed that's what it was.
Location unknown, however. Maybe someone with access to a list can pinpoint
it for us.
73, Bob N6WG

Date: Wed, 2 Feb 2000 10:53:43 -0700
From: DONALD I ROHER <donroher@juno.com>

To: jerrys@execpc.com
Cc: qrp-1@Lehigh.EDU
Subject: [61925] Re: FYBO - who's gonna operate ?
Message-ID: <20000202.110024.-153791.1.DONROHER@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

WBOUFF and NL7QT will be operating from Camp Bouse, a secret place in Arizona.

Camp Bouse was a secret training camp for Patton's night fighting tanks. This is one of about 10 training sites, there is some confusion as to the number due to classified information. Some sites still have useable underground facilities and hidden runways.

The camps were spread around the southwest desert, in an area of 16200 sq. miles. they reached the Mexican boarder north to Las Vegas, and Phoenix west to Riverside.

Harry's olive drab pyramid tent fit the photo taken in 1943. He is camped south of the main Chapel. I am sure there are some old QRPer's out there that were assigned at these camps. Some of the names are:, Camp Young (head quarters at Chiriaco Summit, now the Patton Museum), Camp Iron Mountain, Camp Granite, Camp Essex, Camp Ibis, Camp Hyder, Camp Horn, Camp Laguna, Camp Pilot Knob, and Camp Bouse. There were/are bunkers and secret spots all over the south west, many rumored to have been left covered and stocked with supplies and equipment for Patton's return to defend the home land (He was convinced that the Germans already had developed the Heavy Water Bomb). He was killed by the effects of a minor car accident and never made it back to the desert.

The camps were closed in May of 1944. I believe Harry (WBOUFF) may be the first radio signal from the camp since it was closed. We would love to hear any one answer our calls, but would really like to talk with people who were at these camps.

We will move up to 40 and 80 meter ssb and cw after local sunset when the contest ends. Harry will work 15 meters cw during the contest and I will work 10 ssb (close to the QRP calling freqs.). I will be joining him late Friday. We will have the usual DX-pedition equipment I drag along. Wire dipoles and long wires, SG-2020's, a Kenwod 570 and Harry is using an Icom, The model I don't know. Harry has built a neat 12 volt engine powered alternator to charge batteries with.

On Wed, 2 Feb 2000 04:39:51 -0600 "Jerry Scherkenbach"

<jerrys@execpc.com> writes:

> A few weeks ago I asked who is going to be on for FYBO contest this

> coming
> Saturday. I got some responses but not very many. Quite a few of
> those
> responding are interested to know who is going to be on. SO LETS
> HEAR IT.
> If you're going to be on please let us know.
>
> Here's a list of calls that are planning to operate:
>
> N3AO
> WQ3RP
> K5RAC
> WA5BDU
> KK5NA
> AD6EZ
> WA6GER
> W6OTX
> K7ON
> KI7MN
> N7XY
> W7TAO
> WB8QYY
> NQ9RP
> WQ0RP
> N0TU
>
> There's got to be a bunch more. Those of us in the frozen tundra
> need
> encouragement to venture into the field.
>
> Thanks / 72
>
> Jerry N9AW
> Member of QRP Cheeseheads ARC, Wisconsin.....NQ9RP
>
>
>
>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 02 Feb 2000 13:35:03 -0500

From: RON TODD <k4wz@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [61926] sold
Message-ID: <389878D7.246765A6@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SST SOLD to WB9LPU

Date: Wed, 02 Feb 2000 13:36:23 -0500
From: RON TODD <k4wz@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [61927] SOLD
Message-ID: <38987927.C7765432@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SMITE SOLD to Roy

Date: Wed, 2 Feb 2000 12:37:01 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [61928] FYBO
Message-ID: <0974781F4FC8D211A24600902727E806011B1DF7@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hey,

CanI work this contest without being a member of QRPARCI?

Hal

Date: Wed, 02 Feb 2000 11:37:45 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: hdeitz@ms.rose.cc.ok.us
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [61929] Re: FYB0
Message-ID: <38987979.15A9498F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This isn't an ARCI contest. It's sponsored by the AZ ScQRPions, and anyone can play. No member numbers in the exchange, just RST, SPC, Name, Power and Temp (F).

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: 02 Feb 00 12:58:51 -0600
From: Chris Cole <CJCole@serialslibrarian.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [61930] Atlanta Repeaters
Message-ID: <200002021900.0AA54196@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset="US-Ascii"

Gang--

I'm going to Atlanta in a few weeks on vacation. I'm going to be visiting some people at CNN and I'm wondering if anyone knows of a repeater in Atlanta that has an autopatch.

73s
Chris

Chris J. Cole Calsign:KC0DB0
Computer Specialist Ames Homebased Education
Editor Ames Homeschool Journal
Webmaster Ames First Ward/Ames Homebased Education
<http://www.ameshomeschool.freehosting.net>
<http://members.aol.com/amesward>
Packet Address:KC0DB0@KI0Q.#CIA.IA.USA.NA
Phone: (515) 233-1498
Newsroom: (515) 233-5024

Date: Wed, 2 Feb 2000 13:35:03 -0600
From: "Michael Young" <mikey@mcs.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [61931] Re:%20Distorted%20CW%20from%20bugs
Message-ID: <001801bf6db4\$9a1e2170\$7004a2c6@fensoft.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Joe Reed <joe@n9jr.dyndns.org>
> Thanks for the info! I never knew the original reason for the shorting
> switch before. But I wonder, why does my J-38 have it then? Long after
> the age of LL telegraphy to be sure. Also my McElroy has one as well.
>
> My Nye-Viking doesn't have one, but it has the Navy knob. This is a '70s
> vintage key not used to keying large voltage and current. And anyway, I
> used to think you could tell the "spark" keys by the large contacts
> necessary to handle the power of the transmitter.

I don't know for sure, but I read on Jefferey Hermann's web page that the old-time procedure for abandoning ship included shorting the key. I presumed this allowed it to act as a beacon until the equipment drowns.

FWIW, I bought a Nye Viking just last month to get on the air with all the other drunks on SKN. I paid extra for the shorting lever, and now wish I hadn't. My rig shares desk space with the PC, with the key nestled between the keyboard and the trackball base. Jostling either the keyboard or trackball sometimes has the expectable shattering effect on the serenity I sought when I disappeared to my little hidey-hole.

Anyway, I have to agree just a little with the negative comments about extremely large swings. I've been a ham only as short time, since April last year (but I am now a Extra too, just like the big boyz). I spent quite a bit of time and effort learning to copy as well as send. I used the rig's electronic keyer exclusively until late December, for eight months. For me, the simplest way to learn the right rhythm on a straight key was to send something (off-line, of course) with the paddles, and see how close I could come with the key. And I still take the time most days to calibrate my sending by comparing my fist against the keyer (26 wpm now, with a very mild swing, about 3.4:1, measured by adjusting the keyer's weighting and speed to match). I suppose if I worked really hard at it, I can match the standard 3:1 precisely. But the truth is, I like the way it sounds: a little fat, and not so machine-like.

I'm certain you OT's give your keying no more thought than I give to

flapping my jaws while speaking. I understand fully that verbal tics and CW sending style are matters of personal taste. Being raised in the Midwest, I wonder though if that exaggerated hillbilly drawl really is that firmly ingrained, or if that also isn't a matter of regional pride. And that's where the negative part comes in. By way of analogy, sometimes the drawl sounds false. It stopped being charming somewhere this side of Bo and Daisy Duke, and became just darn difficult to copy. Not to state it too strongly; I'll work it if I can read it.

Michael.
K9ZC

Date: Wed, 02 Feb 2000 13:06:20 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: ku7y@dri.edu
Subject: [61932] RE: Responses to my 4BTW
Message-ID: <38988E3C.F4CB4B5B@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I guess my phased 80-10 meter verticals don't exist. I have run phased verticals since living in Ciudad Tijeras, NM in the late 60's, both disigned for single band (40, but used on 40-20-15) and multiband trap verticals. If one uses coax for phasing, the statement of the antenna being a singular frequency antenna is basically true. However using a phasor such as the Ohm's Law phasing system, or any number of other variable systems with equal feed lines to the antennas, does in fact make an effective antenna system - unidirectional in two directions with nulls upwards of 30 db (depending on the angle of arrival) and bidirectional with nulls off the ends of that figure 8 or egg shaped pattern. Depending on the spacing, the antenna system can be made to suit ones particular situation. I find the phased antenna information in the chapter on directional antenna systems in Jasik is very helpful as is the article written in the 70's by Jerry Swank, W8HXR. Therefore, if one wants to operate a narrow range of frequencies on one band, then coax can be used for the phasing, and antennas can be made from emt conduit, aluminum tubing, copper tubing, etc, and the principles also work with dipole type antennas as well. Sure is a lot cheaper than the big towers and arrays, especially when one does not have the means nor cooperative neighbors to

errect same.

73

Ray

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Wed, 2 Feb 2000 14:06:48 -0600

From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [61933] Good cw/Bad cw

Message-ID: <0974781F4FC8D211A24600902727E806011B1DFA@saturn.rose.cc.ok.us>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

ALL,

Michael, may I please use your comments as an example? Thank you. These comments are not directed at Michael or intended to point fingers at him. However, he mentioned something that brings up a point.

"It sounds good to me to have the swing sound a little fat". I would presume that most people LIKE the way the code sounds to them and that is why they send it they way that they do. There would be nothing wrong with this if the signal was not leaving the room. However, in the interest of communicating information, it would be more important to send code as close to the 3:1 ratio as possible. If conditions make copying 3:1 code difficult, then something other than that ratio becomes even more difficult. It is like running your mike gain up to the point that the ALC needle starts banging against the peg. Yes, you get a few more watts of output power, but it is now spread over a broader frequency span, distorted and therefore less copiable. Code sent at anything other than a 3:1 ratio is distorted. That is fact. How much distortion can we have before it is detectable? Maybe 10%. After that it becomes irritating on an increasing level. Consider the guy on the other end. If you like "swing", listen to your boom box. If you like to see the needle hit the peg when you talk, get a VU meter. If you want to communicate information, strive to do your best.

Peace,

Hal - WB9VMY

Hal - WB9VMY

Date: Wed, 02 Feb 2000 15:19:28 -0500
From: Jimbob <kw3u@warwick.net>
To: low pwr qrp <qrp-1@lehigh.edu>
Subject: [61934] tools
Message-ID: <3898914F.B1E4C466@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang.

Just paid an overdue dentist bill and thought to ask about those nifty picks they stick in ur mouth whilst asking questions. Sure nuff they gave me an envelope with a half dozen for my building pleasure. Thought I wud share the tip with youse guys. (Y'all for the locationally impaired) 72 Jim kw3u

Date: Wed, 2 Feb 2000 15:40:38 EST
From: Charles R Greene <cgreene7@juno.com>
To: agtaylor@llnl.gov
Cc: qrp-1@Lehigh.EDU
Subject: [61935] Re: Dog days of yore. PSK-31
Message-ID: <20000202.154355.-411813.0.cgreene7@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Wed, 02 Feb 2000 09:01:21 -0800 Allan G Taylor <agtaylor@llnl.gov> writes:

Ed, Why not take it a step farther and have CW to PSK31 converter, both ways. You send CW with a paddle and the K2 converts it to PSK31. The K2 receives PSK31 and converts it to CW, which you copy in your head at 30 WPM or whatever.

If you are going to have a display, let it convert CW to text. There are several on the market now. That way, you can receive real

CW or PSK31 without having to write it down:-)

No joke intended. It's a good answer for a keyboard, which usually has a computer attached. A good suggestion for Wayne. He's looking for options for the K2.

> Ed, your wanderings in thought sparked (no pun intended) a related
> thought. Let's get some of these engineering guru types to work out
> a
> way to use PSK31 as follows: two input options, iambic cw with
> sidetone
> and PC keyboard, and two three output options, cw, a short LCD
> rolling
> display, and standard PC monitor. Any rig that does ssb should be
> able
> to, with this hypothetical add-on device, do PSK31 WITHOUT a
> computer
> and display. What is the point? Why, of course, the point is to
> make
> it plausible for operations from field sites and even on a bicycle
> in
> motion or in a tent. Going to cw both in and out of PSK31 frees up
> the necessity of having a monitor (huge, ungainly, powerhungry) and
> a
> keyboard (again, huge ungainly and powerhungry). Iambic keyer
> generated
> cw is already a known artform and, seeing as the gadget doing this
> interface is basically a computer, it should be readily possible to
> do a speed reduction on output for those who cannot do serious QRQ
> copy. This is a great idea... I am gg to describe it fully to the
> Elecraft gang and maybe they will get excited about it. PSK31 is the
> ONLY digital mode besides cw that has ANY interest for me but it
> comes
> burdened with lots of auxiliary eqpt to do it at present.
>
> I can envision it now... doing 30 wpm in pitch black inside a
> backpacking tent in the Sierra Nevada mtns chatting merrily with the
>
> gang up and down the coast using PSK31 but hearing cw, the ideal
> stealth
> mode/ in the dark mode/ in a sleeping bag and tent mode. And jumping
> at a single button-push to traditional cw for variety.
> Whew, heady thoughts these.
>
>
> On Dog days of yore. I got my license about the time Ed was born
> (within a few months) but I never could afford even used Heath ssb
> gear. By the time I could afford it, Heathkit had gone away and

> everything had changed. I missed it too, Ed. As you imply, the
> days of yore for the next few decades are NOW. I am so glad I
> finally
> got going on backpack portable operating that I had been 'dreaming'
> about since 'days of yore'. The NorCal 40A is a TRUE classic.
> Likewise,
> every QSO made from within a tent is memorable. From inside a
> sleeping bag is even more so.
>
>
> sorry about the bandwidth. I just got carried away with the
> vision...
>
> Allan K7GT
>
> --
> Allan Taylor agtaylor@llnl.gov

Charles Greene
Amateur Call W1CG
Bristol, RI

Date: Wed, 2 Feb 2000 13:48:00 -0700
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [61936] FYBO 2k
Message-ID: <20000202.134806.-17433.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

We will be multi-op, single transmitter, abusing W5BI's callsign from
grid square DM72cs {9,300+ ft. asl} near Apache Peak close to Sunspot,
NM. This is an old USAF base, now a solar observatory. There is snow on
top of the peak & the temperature has been well below freezing.

Mountain lion prints in the snow will keep both of us awake. Here kitty-
kitty. LCD displays don't do very well in 20 deg. F

What a view, to the south Ft. Bliss military reservation & to the west,
White Sands Missile Range.

<http://www.sunspot.noao.edu/index.html>

72...Jay, WA5WHN {W5BI, frozen, 5W,

NM for FYBO 2k}

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 2 Feb 2000 12:56:23 -0800 (PST)

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61937] Phased Vertical Array's

Message-ID: <Pine.GSO.4.10.10002021244130.19717-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Some have asked for my impressions of vertical arrays and how they compare with something like a yagi up more than a half wave.

This is based only on my observations over time and does NOT have any connection to theory, math or other such proper ways to evaluate antennas! :-)

But.....as to bang for the buck, I think the single band 2 ele phased array is very hard to beat.

They have always outperformed any low wire antennas I've ever used, like the inverted vee.

>From Idaho I could work AF and EU right with the other guys. They usually got through the pile up first but I did get in. With the inverted vee's I seldom got lucky enough to work AF or EU.

For the elements I have used EMT conduit (which has to be guyed.....I used plastic bailing twine), wire held in trees and plain old pipe. Never spent more than a very few dollars.

I did put out around 100 radials and just let the grass grow over them.

However, the Force 12 C4SXL sitting at 85' makes the verticals look bad! But there is NOTHING cheap about getting a nice antenna and putting it up high!

Is it worth it?? That's a question like CW! But I must think so because I did it! :-)

But for well under \$100 bucks you can have a very good antenna system.

And for WELL OVER that same \$100 bucks you can have an even better antenna system! :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 02 Feb 2000 12:57:57 -0800
From: "Harsha K" <bravado@angelfire.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, dandoooley@pipeline.com
Subject: [61938] Re: OT: Practice Exams
Message-ID: <HMPOMCBGNDPLAAAA@angelfire.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Greetings,

I found the AA9PW web site very useful for taking practice exams :

<http://www.biochem.mcw.edu/Postdocs/Simon/radio/exam.html>

Also, if I may add here, I found the following morse code tutor freeware software available on the web invaluable in learning to copy the code :

NuMorse

<http://www.btinternet.com/~tony.lacy/NuMorse/numorse.htm>

MorseCat

<http://www.qsl.net/dk5ci/>

MRX

<http://www.mrx.com.au/>

"The Art and Skill of Radio-Telegraphy" by N0HFF

<http://www.joates.demon.co.uk/megs/N0HFF/preface.htm>

Lots of people have asked me how I managed to go all the way to getting a "classic" Extra license from no-license within 1.5 months !!, and I strongly recommend the above software for someone planning on learning/speeding up their CW copying.

Hope this helps.

73s,
Harsha

KK7VI

--

On Thu, 3 Feb 2000 09:10:45 Dan W. Dooley wrote:

>Anyone know of on-line (Web) sites for taking practice Extra Class exams,
>other than QRZ.COM?

>

>Been there, done that.

>

>Dan W. Dooley WB5TKA

> e-mail to: dandooley@pipeline.com

>May Goddes love blest ye alle

>

>

>

>

Angelfire for your free web-based e-mail. <http://www.angelfire.com>

Date: Wed, 2 Feb 2000 13:10:00 -0800 (PST)

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [61939] Re: Good cw/Bad cw
Message-ID: <Pine.GS0.4.10.10002021259150.19717-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Great topic!

>From what has been said, I feel that I am right in feeling
that CW is an art form. Others seem to feel the same way.

This art form comes in two forms.....

Sending and Receiving. Two different skills. Both take work.

Most all strive for that 3:1 ratio knowing that they will
never be quite perfect.

Some (close to most?) like to hear just enough difference
to be able to tell who the sender is.

None seem to really enjoy the very bad code but several
will give it a try at copying.

It also seems that defining good/bad code is hard to do.
No one really tried! Seems more like "It's bad if I can't
copy it" or "Good code is 3:1 unless it's changed to make
it easier to copy"..... :-)

Everyone seems to agree that when you learn to copy CW
you should also learn to send CW. Several would like to
see sending tests come back.

But the best thing I've seen from this thread is how so
many people have voiced their thoughts/opinions and all
without anyone getting nasty!

This really is a great bunch of folks!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 2 Feb 2000 14:16:27 -0700

From: Bruce Toback <btoback@optc.com>
To: <jaywa5whn@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61940] Re: FYBO 2k
Message-ID: <200002022116.0AA01485@landru.optc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Jay, WA5WHN, writes:

>We will be multi-op, single transmitter, abusing W5BI's callsign from
>grid square DM72cs {9,300+ ft. asl} near Apache Peak close to Sunspot,
>NM. This is an old USAF base, now a solar observatory. There is snow on
>top of the peak & the temperature has been well below freezing.

I thought that operating from astronomical observatories was verboten (or at least extremely rude). But maybe that's because all the good observatory sites around here also have radio astronomy facilities. Is it really OK to operate from that observatory? I've thought about it more than once; it's **such** an inviting location :-).

-- Bruce

PS. How the heck do they generate a stable LO at 700 GHz?

- B

Bruce Toback Tel: (602) 996-8601 | My candle burns at both ends;
OPT, Inc. (800) 858-4507 | It will not last the night;
11801 N. Tatum Blvd. Ste. 142 | But ah, my foes, and oh, my friends -
Phoenix AZ 85028 | It gives a lovely light.
btoback@optc.com | -- Edna St. Vincent Millay

Date: Wed, 02 Feb 2000 13:17:27 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [61941] Re: Dog days of yore. PSK-31
Message-ID: <38989EE7.349@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Charles Greene, W1CG, has exactly interpreted my writing in the

way I had intended. Exactly. Use CW, via paddle or directly as optional inputs and CW via audio tone as optional output for the PSK31 gadget. Also, I had envisioned a rolling LCD display...you know... like those signs made of RED DOTS in stores where a new character enters on the right and the old ones roll off the left hand end in turn.

Now to get someone to build, kit, and market one!!

K7GT

--

Allan Taylor agtaylor@llnl.gov

Date: Wed, 2 Feb 2000 15:17:25 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61942] Vertical vs Yagi
Message-ID: <0974781F4FC8D211A24600902727E806011B1DFD@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Ron,

For \$12,000 you can have a full size 1/4 wave vertical, commercial style, installed (just like the commercial AM broadcasters use) complete with 120 radials. It will handle QRO power without even getting warm! I really wanted a 5/8 wave, but the wife said that I really would have to sleep in the dog house. (What she doesn't know is that that transmitter house at the bottom of the antenna is called a doghouse, he, he, he!)

Hal

Date: Wed, 2 Feb 2000 16:17:33 -0500
From: "Ron McConnell" <rcmcc@lucent.com>
To: <nw7us@hfradio.org>
Cc: "Ron-W2IOL McConnell" <rcmcc@lucent.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [61943] Morse history URLs for <http://cw.hfradio.org>
Message-ID: <001401bf6dc2\$eb757650\$91051187@adc_lab9.amc.bell-labs.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi, Tomas,

"<http://cw.hfradio.org>" looks like a worthwhile project!

A couple of web sites on Morse, telegraph history, etc.
that you might find of interest.

Best one by Neal McEwen, lots of links:
<http://fohnix.metronet.com/~nmcewen/ref.html>

<http://www.chss.montclair.edu/~pererat>

Did you know that S. F. B. Morse did NOT invent
the "Morse" code? His assistant Alfred Vail did.
Morse's own proposed code was much different.
Vail did nearly all of the mechanical invention
as well. See
"The Art and Skill of Telegraphy" Chapter 19 at

<http://www.joates.demon.co.uk/megs/NOHFF/contents.htm>

Very, very interesting. Of course, that's another good link.
The whole book is free and on-line, chapter by chapter.

I attended the "150th Anniversary of the Telegraph"
dinner in Florham Park, NJ in 1987 (?). Alfred Vail's great
grandson attended. Morse's grandson (yes, just grandson,
NOT great-anything, even in 1987) became ill at the last
minute but he called in from California.
I was in charge of reservations and pictures.

Cheers, 73,

Ron McConnell
w2iol@arrl.net

Date: Wed, 2 Feb 2000 15:28:41 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [61944] Good CW/Bad CW
Message-ID: <0974781F4FC8D211A24600902727E806011B1DFE@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Ron,

Since CW is the mainstay of the QRP op, it has been a good topic. I have seen a few feathers get ruffled, but as soon as they shook themselves, everything went back in place. I really have enjoyed ALL of the comments. Your observations are fairly accurate. One thing for sure, we ain't gonna change, but then if we all sent perfect code like I do (yeh, right!) the world would be a boring place.

Hal - WB9VMY

Date: Wed, 2 Feb 2000 15:46:43 -0600 (CST)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Michael Young <mikey@mcs.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61945] Re:%20Distorted%20CW%20from%20bugs
Message-ID: <Pine.LNX.4.05.10002021538500.21948-1000000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Anyway, I have to agree just a little with the negative comments about
> extremely large swings. I've been a ham only a short time, since April last
> year (but I am now an Extra too, just like the big boyz). I spent quite a
> bit of time and effort learning to copy as well as send. I used the rig's
> electronic keyer exclusively until late December, for eight months. For me,
> the simplest way to learn the right rhythm on a straight key was to send
> something (off-line, of course) with the paddles, and see how close I could
> come with the key. And I still take the time most days to calibrate my
> sending by comparing my fist against the keyer (26 wpm now, with a very mild
> swing, about 3.4:1, measured by adjusting the keyer's weighting and speed to
> match). I suppose if I worked really hard at it, I can match the standard
> 3:1 precisely. But the truth is, I like the way it sounds: a little fat, and
> not so machine-like.

Hmmmm, I missed the bug era (mostly) but I remember listening to the bands when I was a novice (1972) you could really tell who was on without their IDing. The sound of a distinctive swing was something, well quite musical. But it just wasn't bugs. Sideswiper users had the same kind of cadence to their sending. I moved from the pump handle to a keyer in '73 and have only used a hand key when running from the field, or on SKN. But I think you can often tell a keyer user without ID on their use of spacing between characters and words. There is no end to the beauty of CW.

And I stand humbled by the knowledge of the subject by others on this

list. It is indeed a wonderful medium.

Joe N9JR

Date: Wed, 2 Feb 2000 16:47:17 -0500
From: "Rich Clemens" <clemens@wvwc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61946] OT - First Contact on Ten-Tec 1320
Message-ID: <00bc01bf6dc7\$178b7c40\$f065010a@wvwc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Very happy to report a first contact on my just finished Ten-Tec 1320 3-watt QRP rig.

VE1K0I
ANTHONY GERALD TAYLOR
R. R. 4, SHUBENACADIE
HANTS CO. NS B0N2H0
CANADA

--
Richard Clemens, KB8A0B
Associate Professor, Computer Science
West Virginia Wesleyan College
59 College Avenue
Buckhannon, West Virginia 26201
304.473.8421

Date: Wed, 02 Feb 2000 15:42:16 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-l@lehigh.edu
Subject: [61947] OP: good/bad CW
Message-ID: <3.0.1.32.20000202154216.00be5b20@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well fellows, after all this good/bad cw sending talk, I have to fess up as to why my sending is so bad see <http://www.morsecode.dutch.nl/art.jpg>
Now you know. Think I'll put that graphic on my next set of QSL cards.

73 de WA4NWW Richard

Date: Wed, 2 Feb 2000 17:23:11 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [61948] Stand alone PSK-31
Message-ID: <200002022203.RAA13743@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Allan's desire to use PSK-31 without a PC is something I'd like too.
Ed's idea of CW PSK-31 is interesting too.

I believe there are some programs available to use some of the evaluation DSP boards on PSK-31. Don't know what they might need for a read out or input though, probably a PC, and they just eliminate the need for a sound card.

Ideally, what would be needed is a program for a DSP eval board that outputs to a LCD module, a graphics one would be nice, but expensive.

A paddle input would not be hard to do. It's easy to decode a paddle input to text, as you don't have to time dots and dashes, just the letter and word spacing. The decoded text could be sent to the display as you send. And by sending text instead of dots and dashes would allow talking to other PSK-32 stations.

Wish I had time to learn how to program DSP's....

.
72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 2 Feb 2000 15:02:24 -0700
From: jaywa5whn@juno.com
To: btoback@optc.com
Cc: qrp-l@lehigh.edu
Subject: [61949] Re: FYBO 2k

Message-ID: <20000202.150229.-17433.2.jaywa5whn@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Bruce,

Sunspot & Apache Peak are "Solar Observatories" {Optical, various wavelengths}. The only RF there is a receiver on 2800 MHz and a few cell phones. We will be 5 miles south of the observatory. As far as power density computations, 5 watts on HF 5 miles away will not be a problem, otherwise those high powered RADAR Systems on the White Sands Missile Range & Ft. Bliss would have clobbered them by now, not to mention the large State of NM Microwave site just outside of Cloudcroft, NM. I think you are confusing Sunspot & Apache Peak with the VLA, which is over 160 miles NW of us on the Plains of St. Augustin, shielded by the San Mateo mountain range.

As far as the LO stability, you will have to address that question to NA5N or one of the QRPers who reside at the VLA.

A few of the locals have asked. We will monitor 146.46 MHz FM simplex. We will be line of site to El Paso {far east end}, Alamogordo, Carrizozo, Tularosa, Sacramento {Yes, there is a Sacramento, NM} & Socorro, NM {Not Tejas}.

72...Jay, WA5WHN {W5BI, 599, 5 W, nice big kitty,
Jay, NM}

On Wed, 2 Feb 2000 14:16:27 -0700 Bruce Toback <btoback@optc.com> writes:

> Jay, WA5WHN, writes:

>

> >We will be multi-op, single transmitter, abusing W5BI's callsign
> from

> >grid square DM72cs {9,300+ ft. asl} near Apache Peak close to
> Sunspot,

> >NM. This is an old USAF base, now a solar observatory. There is
> snow on

> >top of the peak & the temperature has been well below freezing.
>

> I thought that operating from astronomical observatories was
> verboten (or

> at least extremely rude). But maybe that's because all the good
> observatory sites around here also have radio astronomy facilities.

> Is it

> really OK to operate from that observatory? I've thought about it

> more

> than once; it's *such* an inviting location :-).
>
> -- Bruce
>
> PS. How the heck do they generate a stable LO at 700 GHz?
>
> - B
>
>
>

-
> Bruce Toback Tel: (602) 996-8601 | My candle burns at both ends;
> OPT, Inc. (800) 858-4507 | It will not last the night;
> 11801 N. Tatum Blvd. Ste. 142 | But ah, my foes, and oh, my
> friends -
> Phoenix AZ 85028 | It gives a lovely light.
> btoback@optc.com | -- Edna St. Vincent Millay
>
>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 2 Feb 2000 17:00:28 -0600
From: "Michael Young" <mikey@mcs.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <elecraft@qth.net>
Subject: [61950] Re: Dog days of yore. PSK-31
Message-ID: <006301bf6dd1\$4c879690\$7004a2c6@fensoft.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think what you describe is more than half-way to a keyer that also decodes CW from an audio stream. Given an audio stream, you need only simple logic 'tween the DSP and the keyer dit-dah logic to distinguish one from the other. Another problem is PSK-31 can sustain about 50 wpm; on a good day without noise or distractions, I can *almost* copy 32 wpm CW (with no "swing" :-). A scrolling text display seems to be required, not simply optional. Sending with paddles beats heck out of struggling with a keyboard in the field. If nothing else, it makes for good QRQ sending practice.

I like the idea: PSK-31 plus CW keyer and decoder in a single package. RTTY encode-decode would be nice, also, but I would buy even without that. DSP eval kits cost about \$100 to \$150; I imagine chip prices are around \$30 per. Add to that the other circuitry plus firmware and development cost. Would you pay \$200+ for this unit? Would you pay \$250+ if it included DSP audio filtering? I think I would.

Michael.
K9ZC

----- Original Message -----

From: Allan G Taylor <agtaylor@llnl.gov>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, February 02, 2000 3:17 PM
Subject: Re: Dog days of yore. PSK-31

> Charles Greene, W1CG, has exactly interpreted my writing in the
> way I had intended. Exactly. Use CW, via paddle or directly as optional
> inputs and CW via audio tone as optional output for the PSK31 gadget.
> Also, I had envisioned a rolling LCD display...you know... like those
> signs made of RED DOTS in stores where a new character enters on the
> right and the old ones roll off the left hand end in turn.

Date: Wed, 02 Feb 2000 18:17:14 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61951] Re: Another NorCal 20 lives!
Message-ID: <3.0.32.20000202181710.0068a010@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:16 PM 2/2/00 -0600, you wrote:

>Yes, after many months I've finally built and tested my NorCal 20
Transceiver!

>

>Hoping to hear and work a few of you on 20M using it.

>

>Cheers de Dave (G0DJJA)

>

Nice Going Dave!!!!

Just finished the RX section here...

What a great kit!!! It looks like I'm so close that the soldering

iron will be working into the wee hours.
73 Pete NV4V

Date: Wed, 2 Feb 2000 17:18:41 -0600
From: "Michael Young" <mikey@mcs.com>
To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61952] Re: Dog days of yore. PSK-31
Message-ID: <007501bf6dd3\$d82602c0\$7004a2c6@fensoft.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Allan G Taylor <agtaylor@llnl.gov>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, February 02, 2000 11:01 AM
Subject: Re: Dog days of yore. PSK-31

> work out a
> way to use PSK31 as follows: two input options, iambic cw with sidetone
> and PC keyboard, and two three output options, cw, a short LCD rolling
> display, and standard PC monitor.

Output as CW, scrolling text, and RS232 serial. RGB output would add cost without real benefit; most PC's can display serial text quite easily.

Text to speech might be possible in a few years, but serial output would seem to take care of that. Unless you're already able to head copy 40+ wpm, though, even a fast stream of spoken letters would be difficult to make sense of. (I experimented with reading one letter at a time at rates equivalent to 50 wpm. You can do it, but it takes remarkable concentration and effort. This took the mystery out of why very fast CW is difficult to copy, even if you don't have difficulty distinguishing letter sounds.)

> I can envision it now... doing 30 wpm in pitch black inside a
> backpacking tent in the Sierra Nevada mtns chatting merrily with the
> gang up and down the coast using PSK31 but hearing cw, the ideal stealth
> mode/ in the dark mode/ in a sleeping bag and tent mode. And jumping
> at a single button-push to traditional cw for variety.
> Whew, heady thoughts these.

What's wrong with CW? :-) Granted, some of my better ragchews have been on PSK31, but I attribute that to having more neurons free to interact creatively. QRQ requires far too much effort for me to carry my side of a

conversation. But this isn't saying anything about the mode. There are alleged bandwidth and sig-noise advantages as well. But most evenings, I find about 5 CW stations on for every 1 PSK31 station.

Michael.
K9ZC

Date: Wed, 02 Feb 2000 18:35:04 -0500
From: Ed Kessler <edkess@epix.net>
To: qrp-1@Lehigh.EDU
Subject: [61953] WTB:Bird Wattmeter Elements
Message-ID: <3898BF28.A1DBF759@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am tired of playing the bidding game on Ebay for these.
Does anyone have a 50w 1.8-30 MHz element for sale?
Also looking for the 50w 100-150 MHz element.

Thanks,
Ed AA3SJ

Date: Wed, 02 Feb 2000 18:38:34 -0500
From: RON TODD <k4wz@bellsouth.net>
To: RangerSF5@aol.com, qrp-1@Lehigh.EDU
Subject: [61954] Fore Sale, what's left
Message-ID: <3898BFFA.59F6C5B4@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

MFJ 971 Portable tuner
NORCAL 40A w.KC-1 keyer
Vectronice 80m and 40m rec and transmitter. built
PK-2 keyer kit w/hardware
Kanga oner swr bridge kit
Whitrook MK-22 key, and MK-88 keyer

Reply only to k4wz@bellsouth.net

Date: Wed, 02 Feb 2000 18:42:54 -0500
From: KD1YV <kd1yv@mindspring.com>
To: qrp-1@lehigh.edu
Subject: [61955] WalMart goes QRO
Message-ID: <3898C0FE.CDEF93DC@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry if this is OT, but it's just too humorous to pass up :-)

Check out the link <http://www.scanatlanta.com/500watt.htm>

--
72/73 de Jim, KD1YV
Some days you're the dog, some days you're the hydrant.

Date: Wed, 2 Feb 2000 15:55:29 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: <kd1yv@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61956] RE: WalMart goes QRO
Message-ID: <001b01bf6dd8\$fbe7cfe0\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yikes! According to my calculations, if it has a 9.6 volt 900 mah battery, it will last about 0.008 seconds! Better talk fast! :-)

Kory
AC6RN

>
> Sorry if this is OT, but it's just too humorous to pass up :-)
>
> Check out the link <http://www.scanatlanta.com/500watt.htm>
>
>
> --

> 72/73 de Jim, KD1YV
> Some days you're the dog, some days you're the hydrant.
>

End of QRP-L Digest 1719

